S/M No. : RC320FB010

Service Manual

VACCUM CLEANER

MODEL : RC-320B
RC-320S
RC-320F

RC-320B/S

RC-320F

DAEWOO ELECTRONICS CO., LTD

http : //svc.dwe.co.kr

MAY. 2000

TABLE OF CONTENTS

1. SPECIFICATIONS 2

2. EXTERNAL VIEW 2

2-1. ASSEMBLY 2

2-2. MODEL RC-320F, RC-320B, RC-320S 3

3. DIAGRAM 4

3-1. WIRING DIAGRAM 4

3-2. CIRCUIT DIAGRAM 6

4. TROUBLE SHOOTING GUIDE 8

5. DISASSEMBLING AND TREATMENT 9

5-1. CLEANER ASSEMBLY 9

5-2. MOTOR ASSEMBLY 10

5-3. CORD REEL ASSEMBLY 11

5-4. COVER DUST ASSEMBLY 12

5-5. COVER BODY ASSEMBLY 13

6. EXPLODED VIEW AND PARTS LIST 14

6-1. CLEANER ASSEMBLY 14

6-2. BODY ASSEMBLY 19

6-3. COVER ASSEMBLY 21

6-4. MOTOR ASSEMBLY 23

6-5. CORD REEL ASSEMBLY 26

6-6. HOSE ASSEMBLY 29

6-7. BRUSH ASSEMBLY 30

6-8. PIPE ASSEMBLY 32

1. SPECIFICATIONS

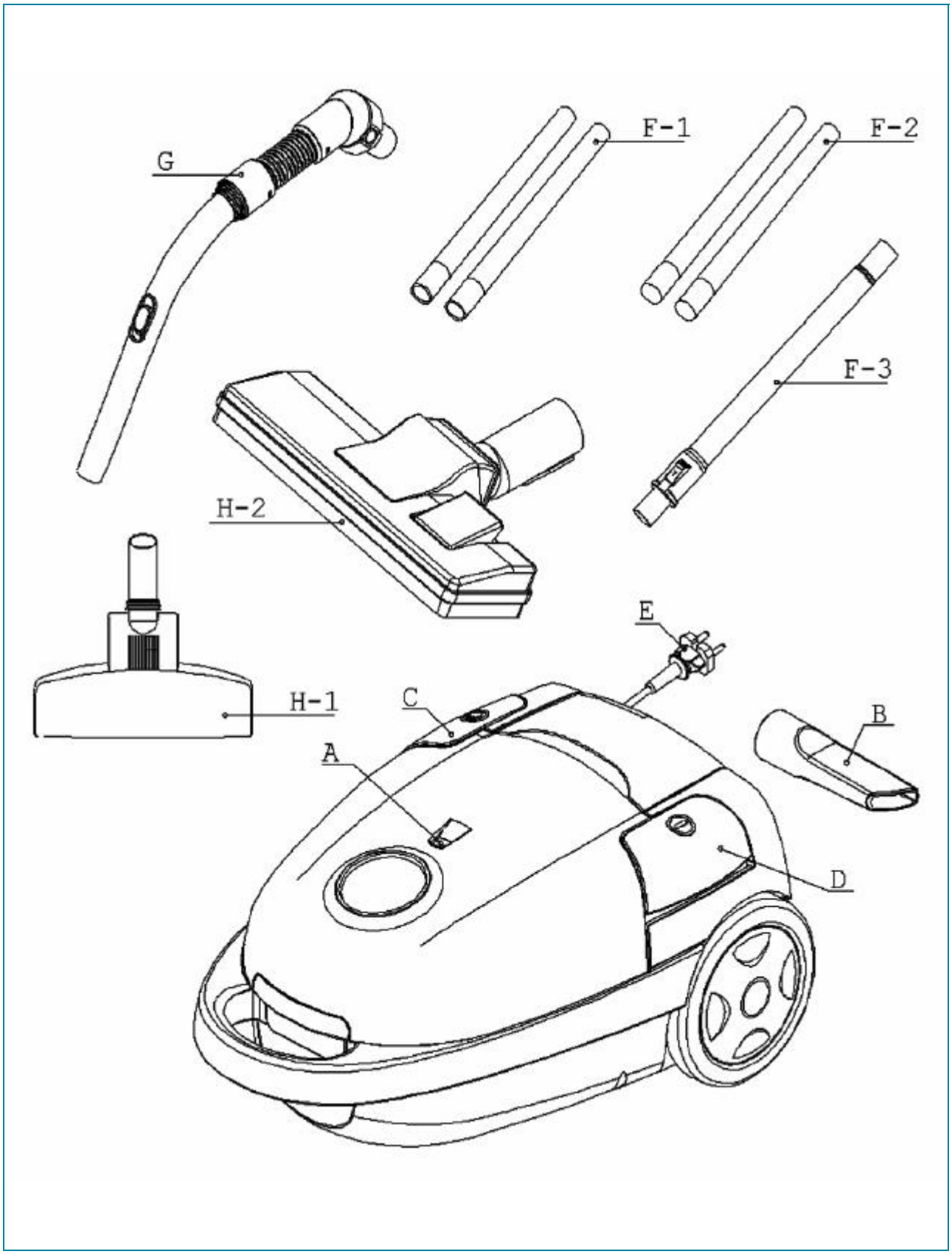
Model	RC-320F	RC-320B	RC-320S
Rated Voltage	AC 230V	AC 230V	AC 230V
Frequency	50/60Hz	50/60Hz	50/60Hz
Input Watt	MAX 1200W	MAX 1300W	MAX 1400W
Weight(Body)	3.8Kg	3.8Kg	3.8Kg
Dimension(LXHXD)	446X217X284mm	446X217X284mm	446X217X284mm
Cord Length	5m	5m	5m
Power Control	Body ON/OFF	Body Variable	Body Variable
Dust Meter	Mechanical	Mechanical	Mechanical
Hose	Non-Current 1.5m	Non-Current 1.5m	Non-Current 1.5m
Extension Pipe	2 Pieces	2 Pieces	Telescopic
	Plastics	Steels	Steel
Nozzle	Clean Brush	Clean Brush	Pedal Brush
	Crevice Tool	Crevice Tool	Crevice Tool

2. EXTERNAL VIEWS

2-1 ASSEMBLY

PART NAME	MODEL		
	RC-320F	RC-320B	RC-320S
A - DUST METER	0	O	O
B - CLEANING TOOLS(Crevice Tool)	0	O	O
C - CORD REWIND BUTTON	0	O	O
D - SWITCH BUTTON	0	O	O
E - POWER CORD	0	O	O
F-1 - EXTENSION PIPE (2 Plastic Tubes)	0	-	-
F-2 - EXTENSION PIPE (2 Steel Tubes)	-	O	-
F-1 - EXTENSION PIPE (Steel Telescopic Tube)	-	-	O
G - HOSE HANDLE	0	0	O
H-1 - CLEAN BRUSH	0	O	-
H-2 - PEDAL BRUSH	-	-	O

2-2. MODEL RC-320F, RC-320B, RC-320S

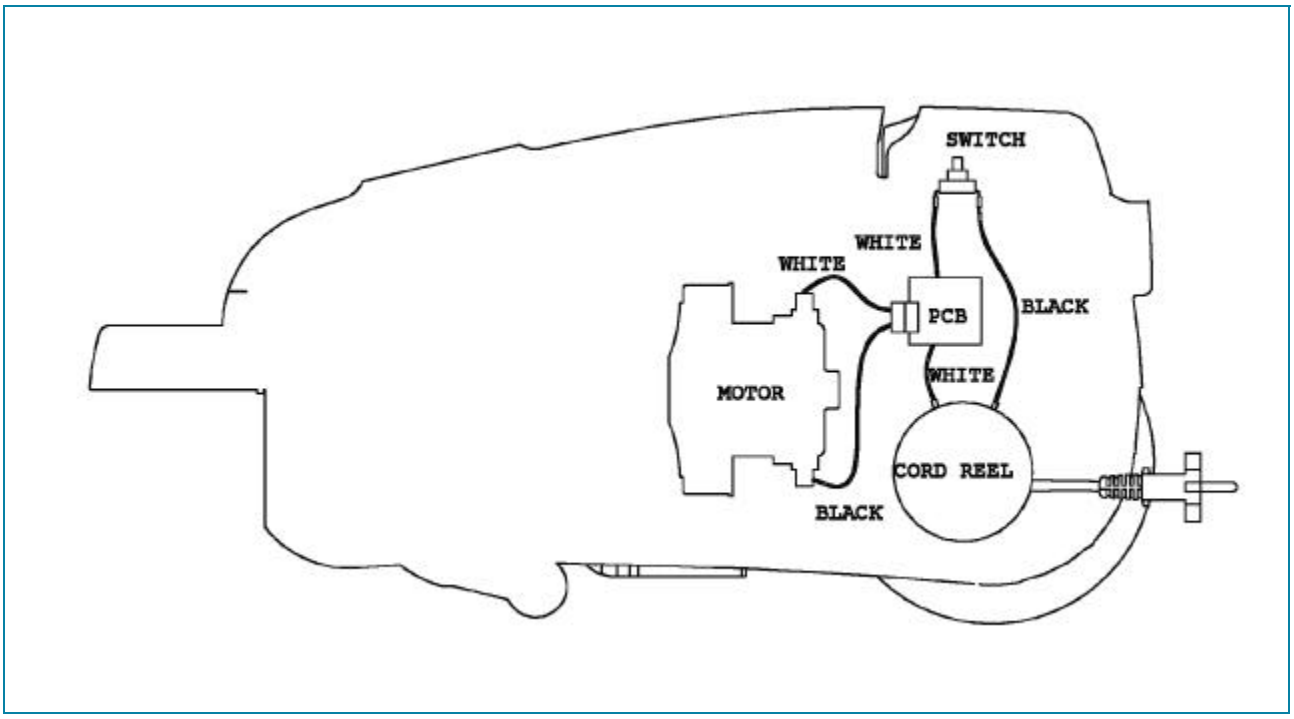


3. DIAGRAM

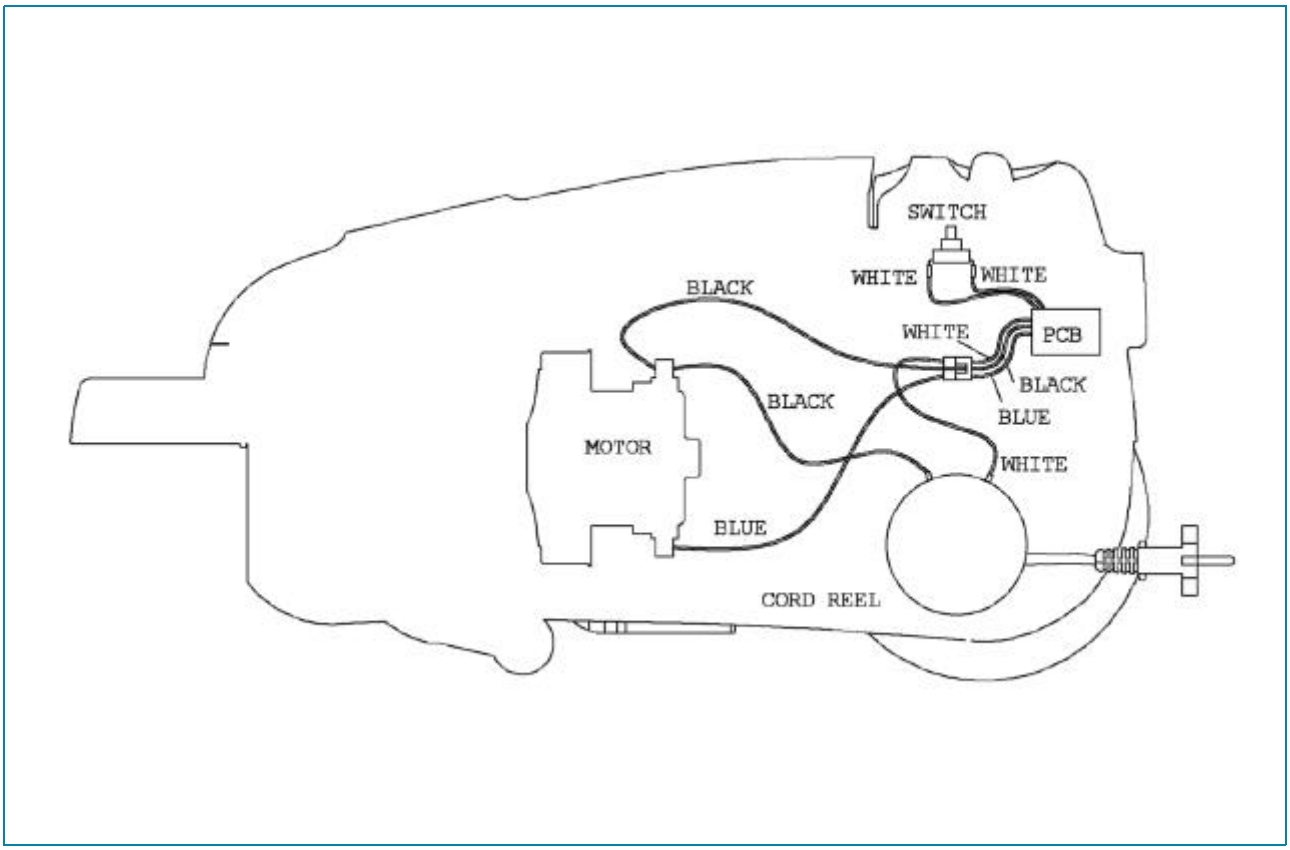
3-1. WIRING DIAGRAM (DESA, DESPA, DESUK)

1) STANDARD

■ RC-320F



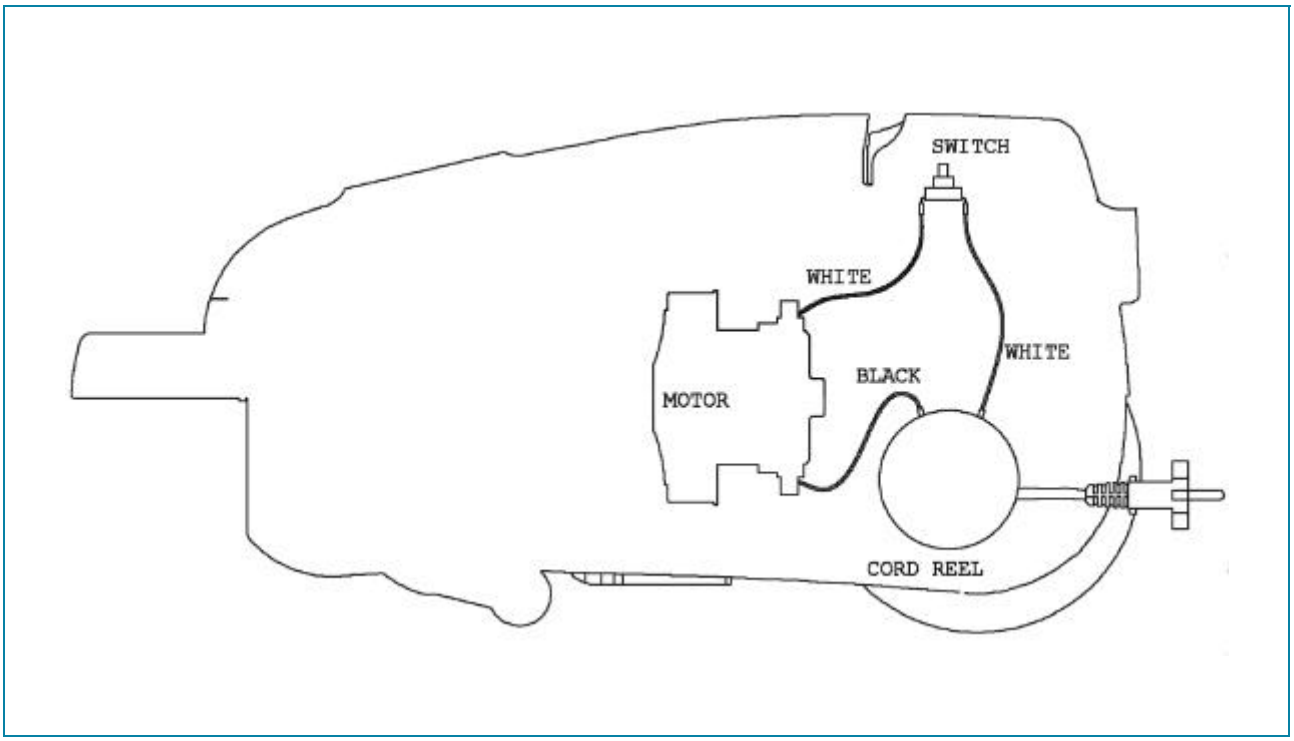
■ RC-320B



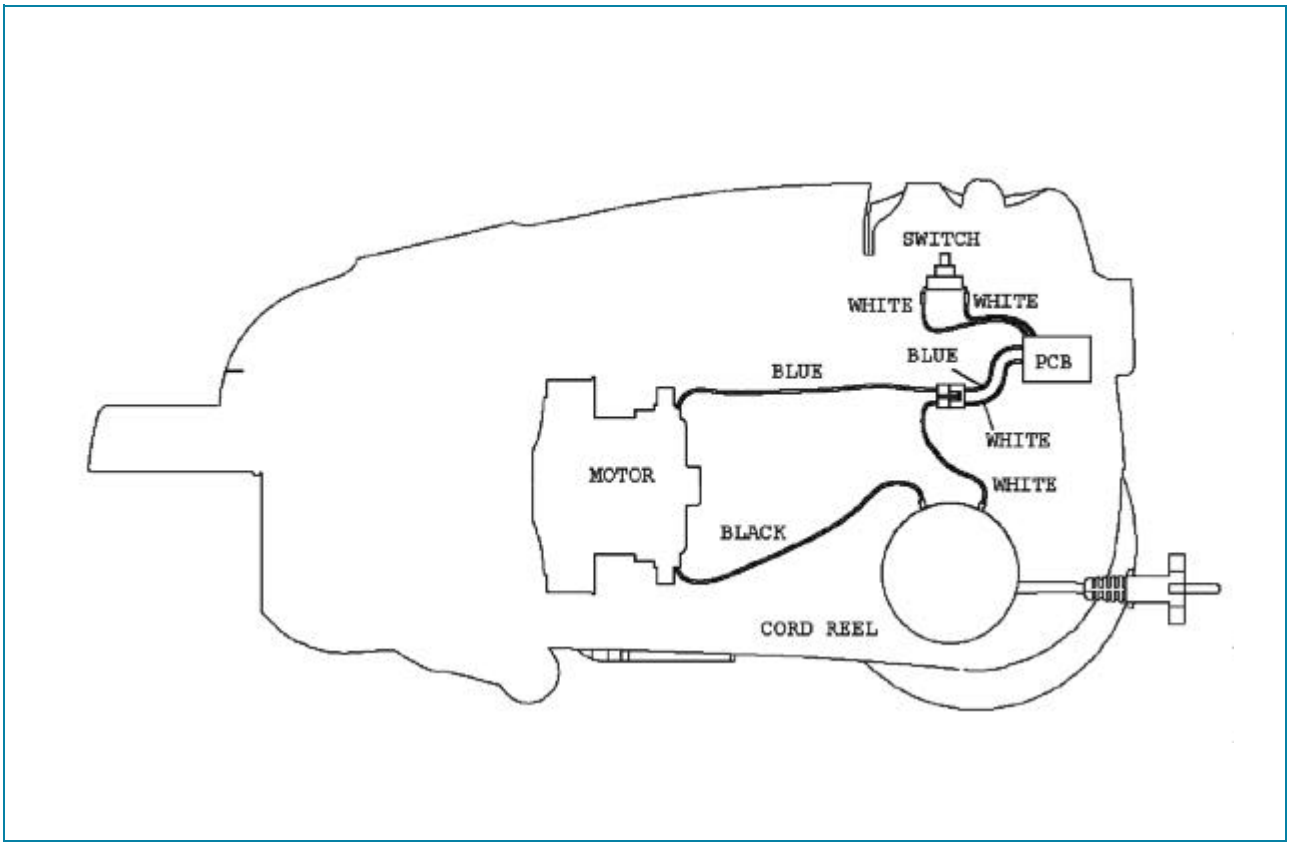
3-1. WIRING DIAGRAM (DEPOL)

2) NON-STANDARD

■ **RC-320F**



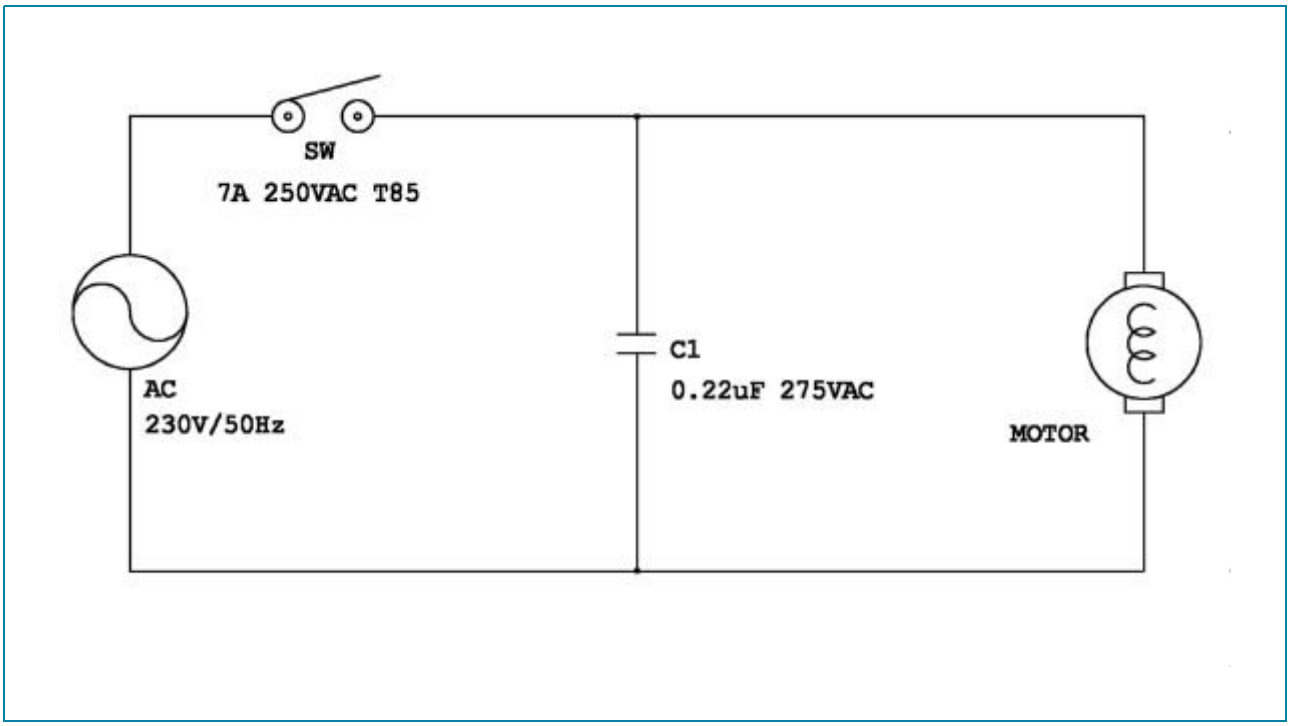
■ **RC-320B, RC-320S**



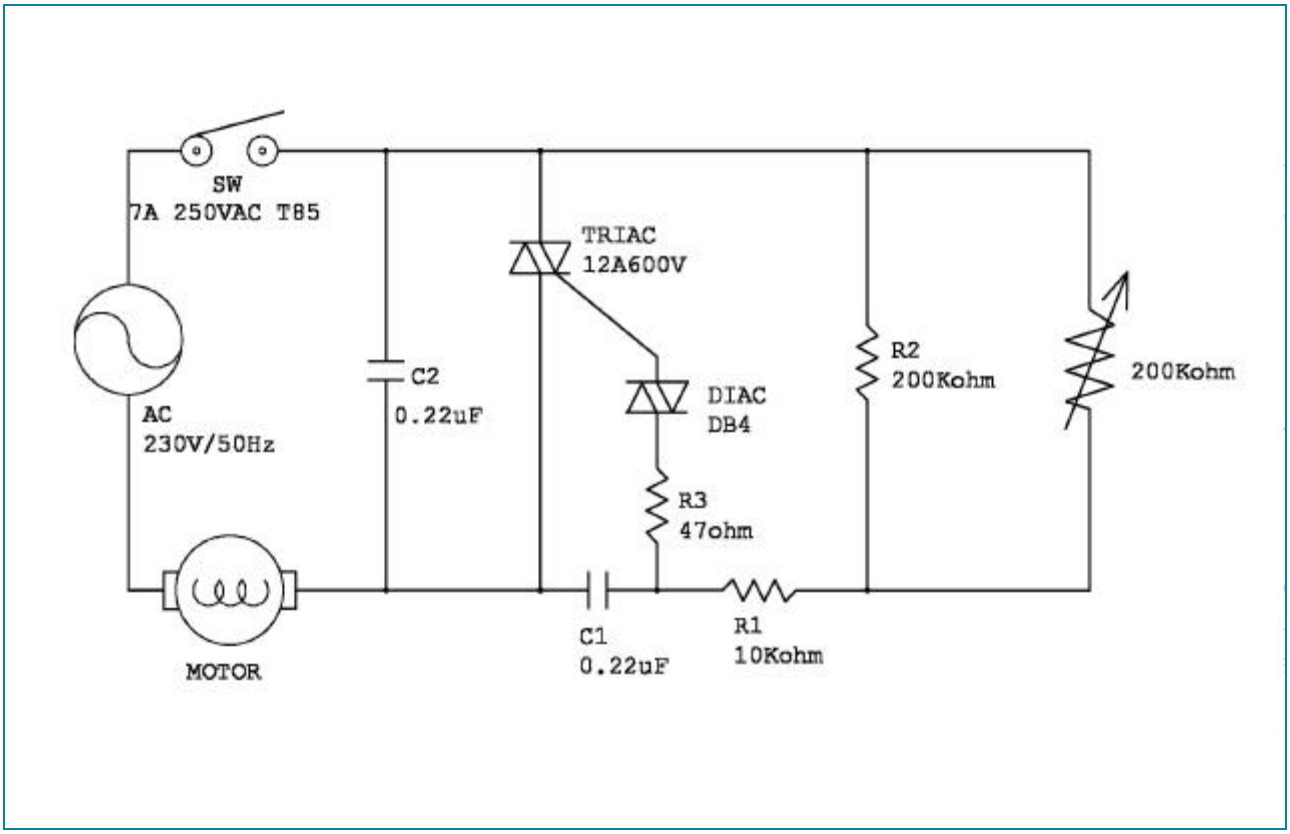
3-2. CIRCUIT DIAGRAM (DESA, DESPA, DESUK)

1) STANDARD

■ RC-320F



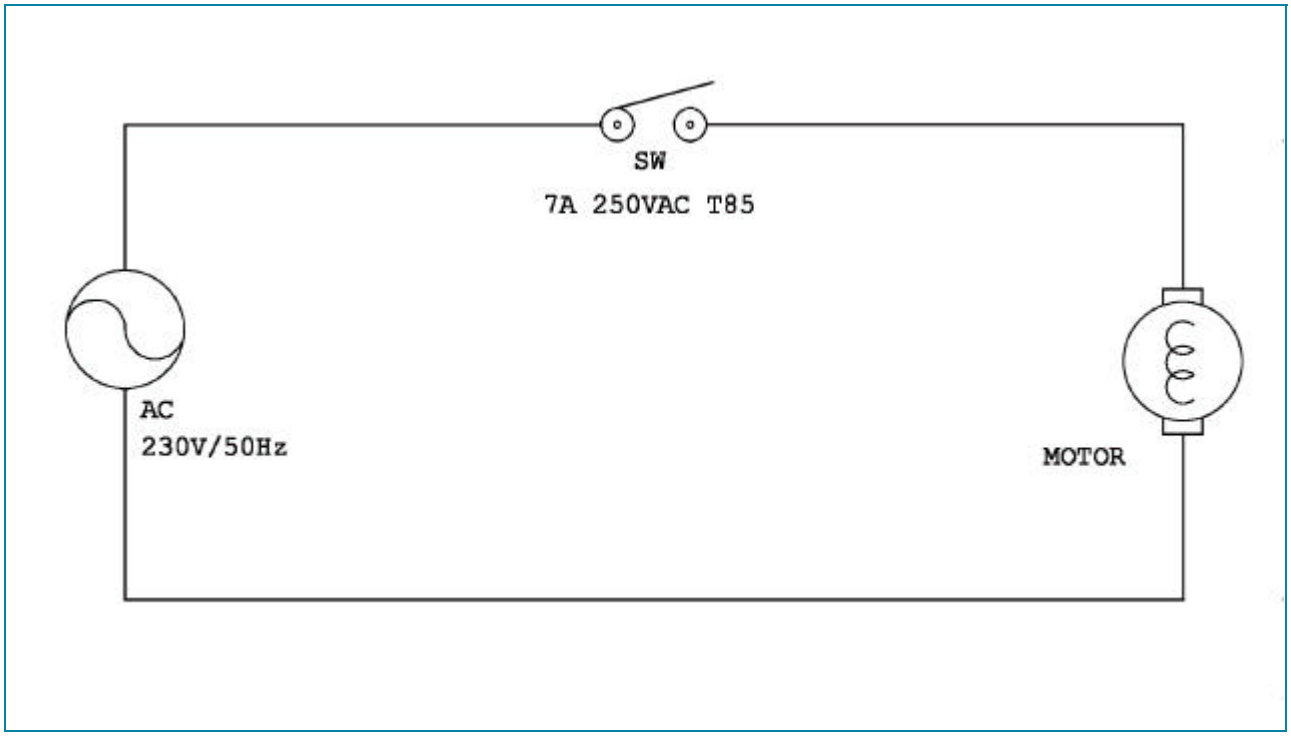
■ RC-320B



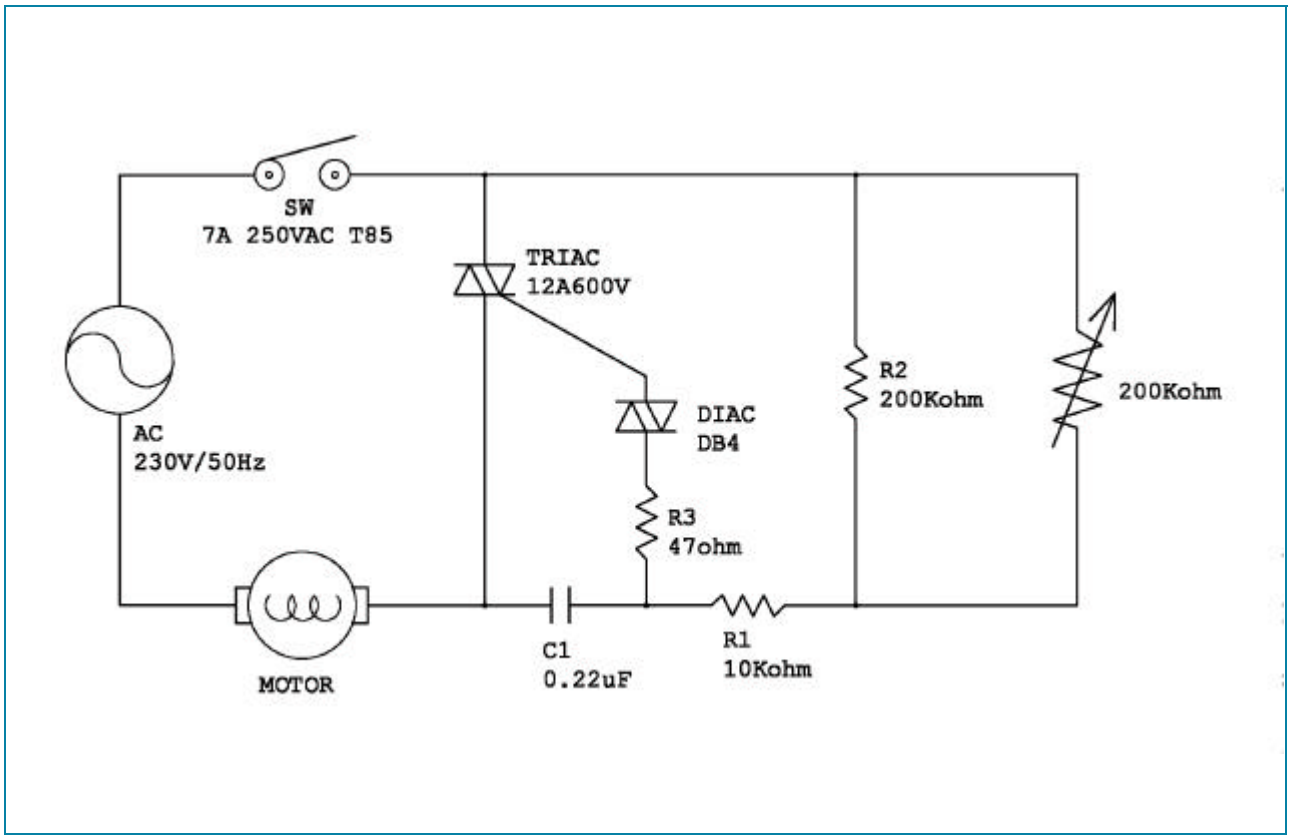
3-2. CIRCUIT DIAGRAM (DESOL)

2) NON-STANDARD

■ RC-320F



■ RC-320B



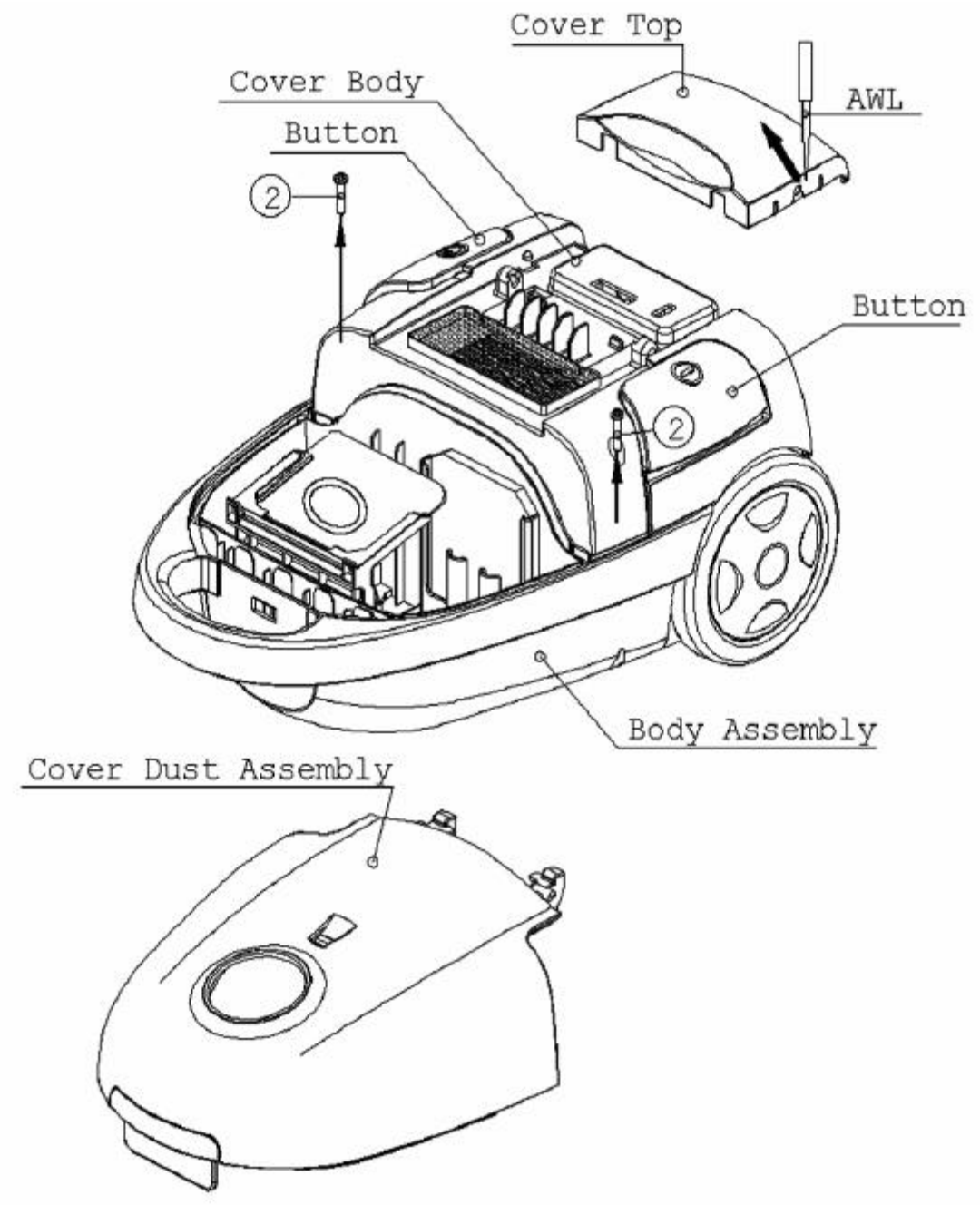
4. TROUBLE SHOOTING GUIDE

TROUBLE	CAUSE	COUNTERMEASURE
SUCTION POWER IS WEAK	FILTER BAG(PAPER OR CLOTH) IS FULL WITH DUST	CHANGE IT WITH NEW ONE OR REMOVE THE DUST
	CLOGGING OR TEAR IN HOSE	REMOVE OBSCTACLE OR REPLACE THE HOSE
	DEFECTIVE MOTOR	REPLACE THE MOTOR (SEE 5-2)
CLEANER DOES NOT WORK	BREAKING IN POWER CORD (AT BLADE TIP OR ROOT OF PLUG)	REPLACE THE POWER CORD (SEE 5-3)
	DEFECTIVE SLIDE VOLUME LOCATED IN COVER BODY	REPLACE IT (SEE 5-5)
	DEFECTIVE PCB ASSEMBLY	REPLACE IT (SEE 5-5)
	BREAKING OF CONNECTIONS OR POOR CONTACTS IN CORD REEL ASSEMBLY	REPAIR (SEE 5-3)
	DEFECTIVE MOTOR	REPLACE IT (SEE 5-2)
	BREAKING OF CONNECTIONS IN COVER BODY ASSEMBLY	REPAIR (SEE 5-5)
	DEFECTIVE SWITCH	REPLACE IT (SEE 5-5)
MOTOR DOES NOT STOP EVEN IF SWITCH	DEFECTIVE PCB ASSEMBLY	REPLACE IT (SEE 5-5)

TROUBLE	CAUSE	COUNTERMEASURE
POWER CORD IS NOT WOUND UP	BROKEN REEL SPRING OF CORD REEL	REPLACE IT (SEE 5-3)
	POWER CORD BROKE AWAY FROM THE BOBBIN	REPAIR (SEE 5-3)
※ CAUTION : BE CAREFUL WHEN BREAKING UP THE CORD REEL, THE REEL SPRING MAY SPRING OUT OF THE SPRING COVER.		
POWER CORD DOES NOT STOP AT AN ARBITRARY POSITION	ABRASION OF THE ROLLER BRAKE OF CORD REEL	REPLACE THE ROLLER BRAKE (SEE 5-3)
	LEVER SPRING BROKE AWAY FROM THE CORD REEL BRACKET	REPAIR (SEE 5-3)

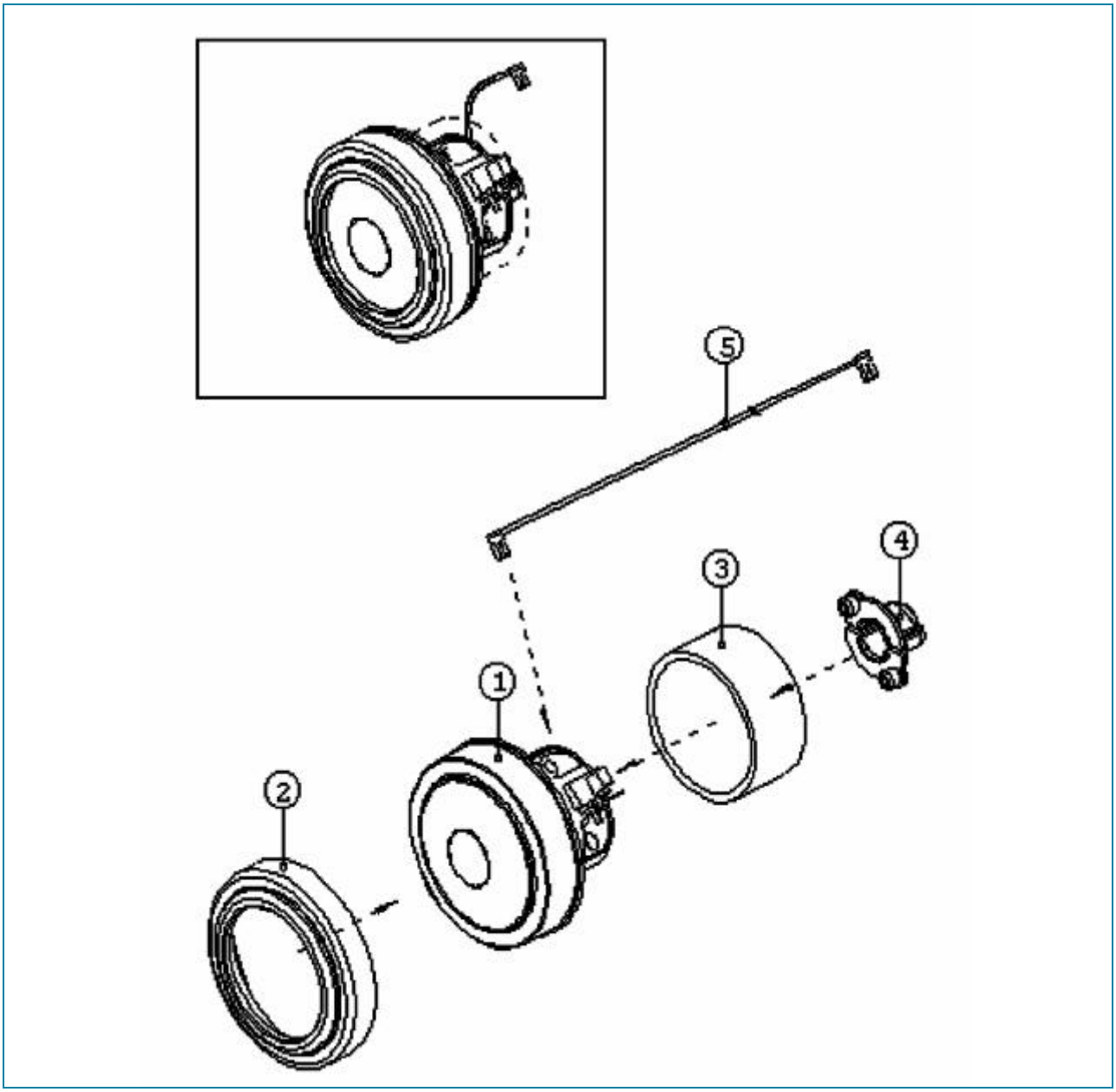
5. DISASSEMBLING AND TREATMENT

5-1. CLEANER ASSEMBLY



1. TAKE THE COVER TOP CUT OF THE COVER BODY BY USING AN AWL.
2. SEPARATE THE COVER DUST ASSEMBLY FROM THE COVER BODY.
3. UNSCREW THE 2 SCREWS(2) THEN LIFT THE COVER BODY UP FROM THE BODY ASSEMBLY.
4. SEPARATE THE TWO BUTTONS FROM THE COVER BODY.

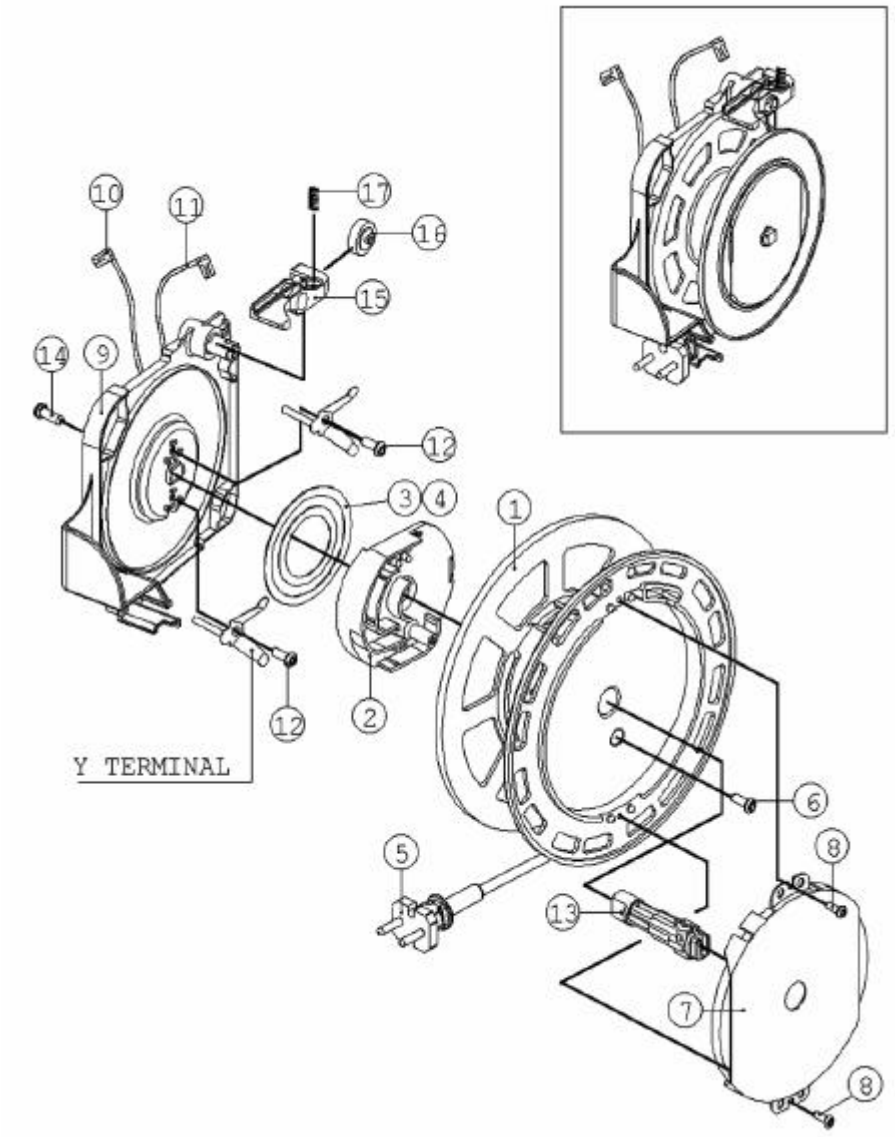
5-2. MOTOR ASSEMBLY



1) TAKE THE MOTOR ASSEMBLY OUT OF THE BODY

2) CHECK THE MOTOR(1) (WHETHER THE MOTOR IS BURNT OUT OR NOT).

5-3 CORD REEL ASSEMBLY

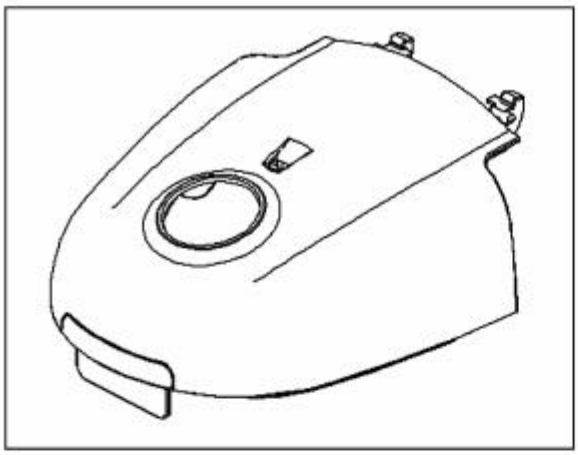


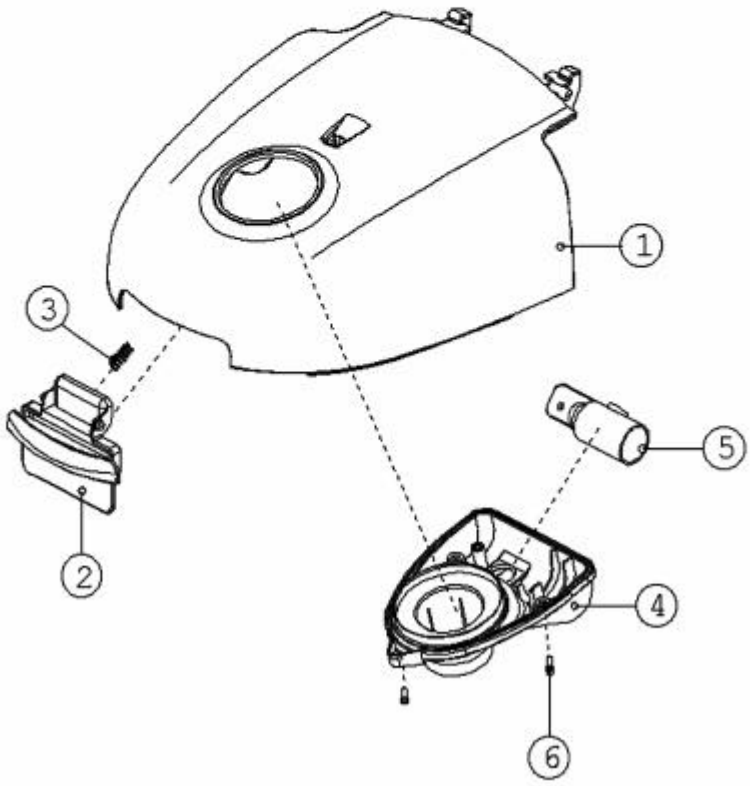
1) TAKE THE CORD REEL OUT OF THE BODY.
2) UNSCREW THE SCREW(14) AND SEPARATE THE BOBBIN(1) FROM THE BRACKET(9) AND CHECK THE CONTACTS BETWEEN THE Y TYPE TERMINALS AND THE RING TYPE TERMINALS(3, 4).
4) CHECK THE LEVER SPRING(17).
5) IF THE ROLLER BRAKE(16) IS WORN OUT AND SEPARATE THE LEVER(15) FROM THE BRACKET(9), THEN REPLACE THE ROLLER BRAKE(16).
AT THIS TIME, THE BOBBIN(1) IS ROTATED COUNTERCLOCKWISE DUE TO THE PRESERVED WINDING.
6) IF THE REEL SPRING(7) IS BROKEN, UNSCREW THE 2 SCREWS(8) AND REPLACE IT.

CAUTION : WHEN DISASSEMBLING, THE REEL SPRING MAY SPRING OUT OF THE COVER.

7) UNSCREW THE SCREW (6) AND SEPARATE THE HOLDER TERMINAL(2) FROM THE BOBBIN(1).

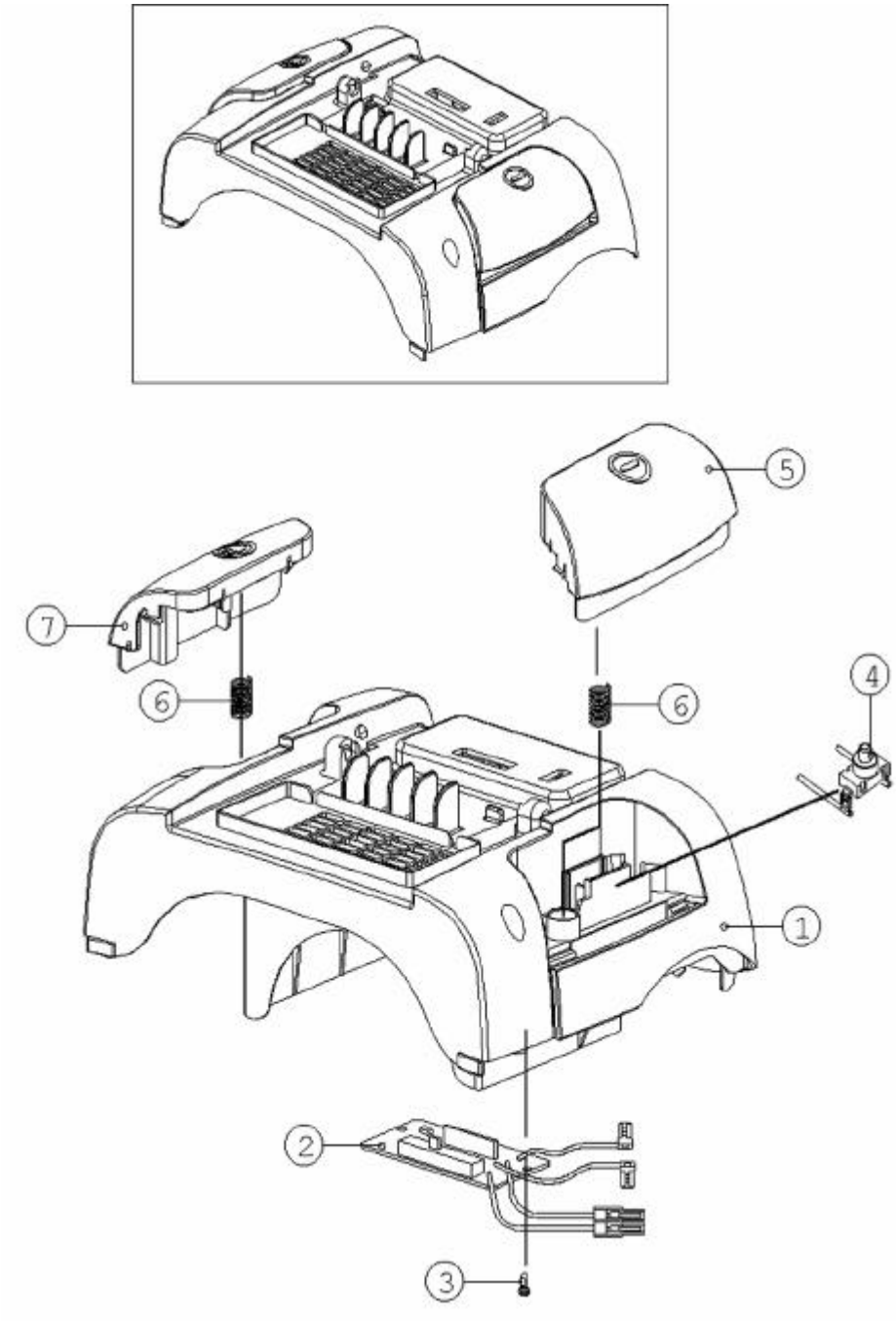
5-4 COVER DUST ASSEMBLY





1) UNSCREW THE 2 SCREWS(6) AND SAPARATE THE SOCKET(4) FROM THE COVER DUST(1).

5-3 COVER BODY ASSEMBLY

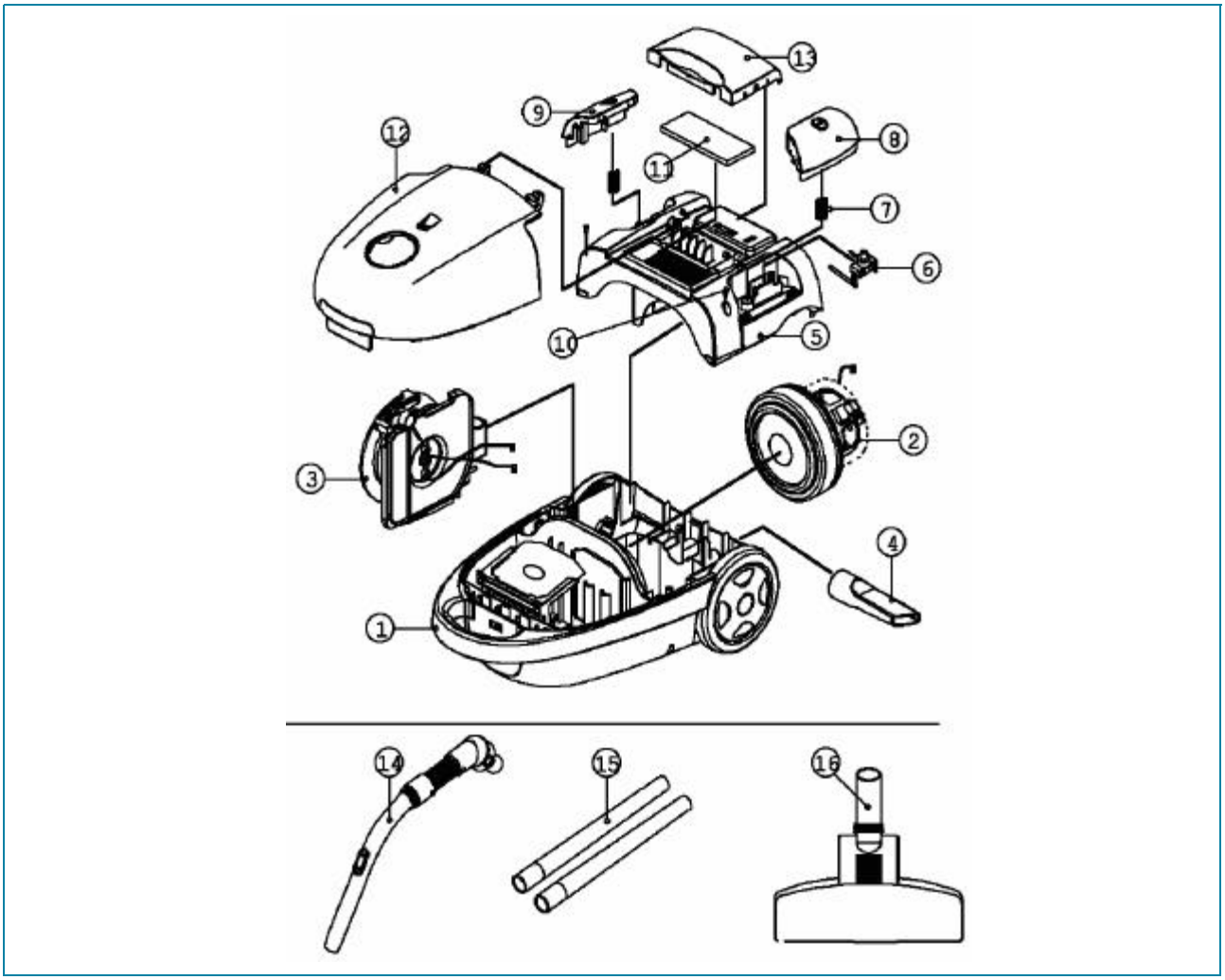


1) CHECK THE CONNECTIONS BETWEEN THE PCB ASSY(2) AND THE WIRE.
2) CHECK THE PCB ASSY(2).
3) CHECK THE SWITCH(4).

6. EXPLODED VIEW AND PARTS LIST

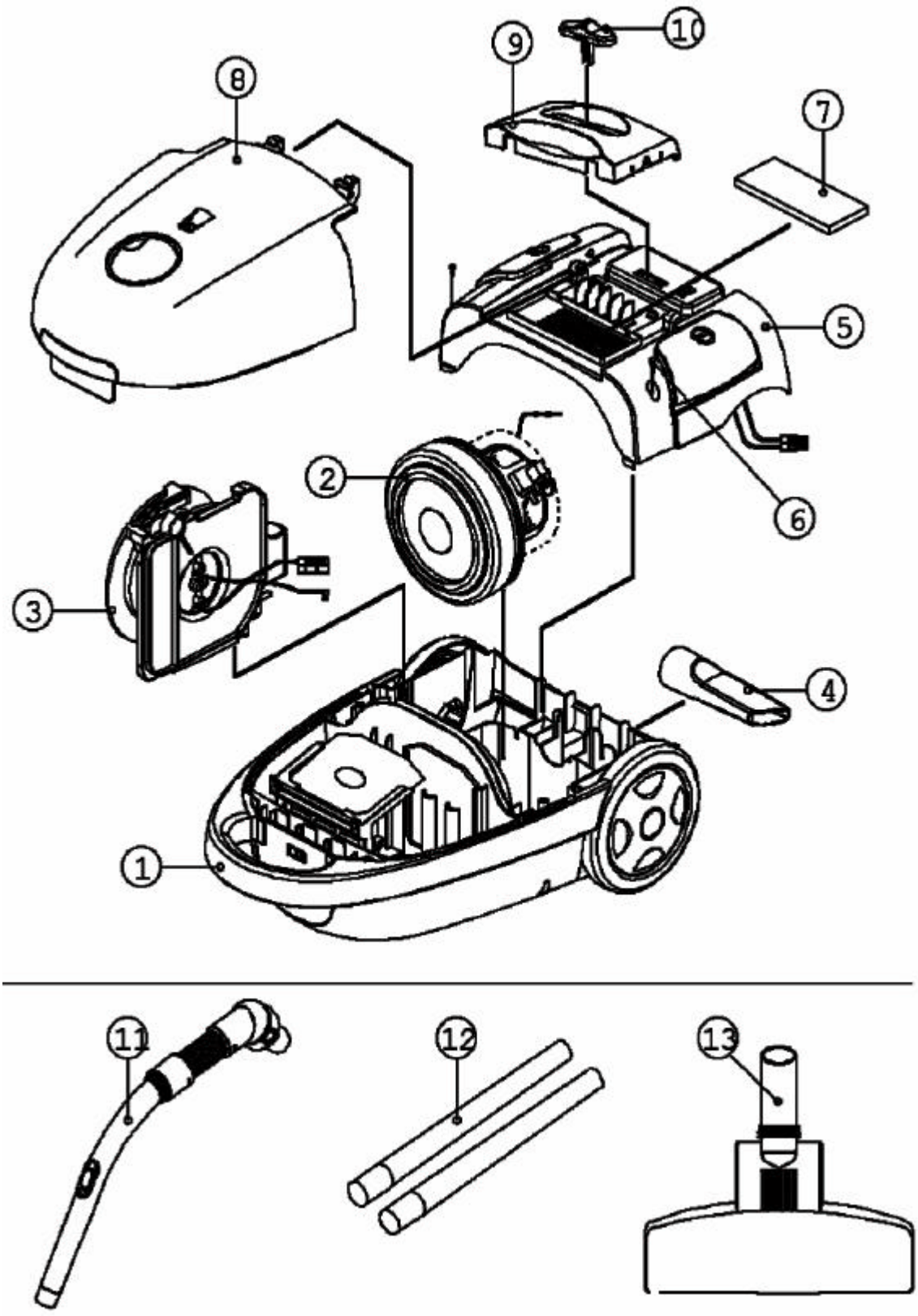
6-1. CLEANER ASSEMBLY

1) MODEL RC-320F(3620012900)



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BODY AS	3620409000	ASSY	1
2	ASSY MOTOR	3620013200	ASSY(RC-320F)	1
3	CORD REEL AS	3629507000	ASSY	1
4	NOZZLE CREVICE	3628100600	PP	1
5	COVER BODY	3621424400	PP	1
6	SWTICH PUSH	3629002000	7A/250V, (SKT)	1
7	SPRING BUTTON	3625107400	HSW3	2
8	BUTTON SWITCH	3626605200	ABS	1
9	BUTTON CR	3626605300	ABS	1
10	SCREW TAPPTITE	7171402011	TT2 PAN 4X20 MFZN	2
11	FILTER EXHAUST	3621906900	POLYESTER	1
12	COVER DUST AS	3621425900	ASSY	1
13	COVER TOP	3621424600	PP	1
14	HOSE AS	3623206200	ASSY	1
15	PIPE EXTENSION	3624408500	PP	2
16	BRUSH AS	3629304920	ASSY(CLEAN 31)	1

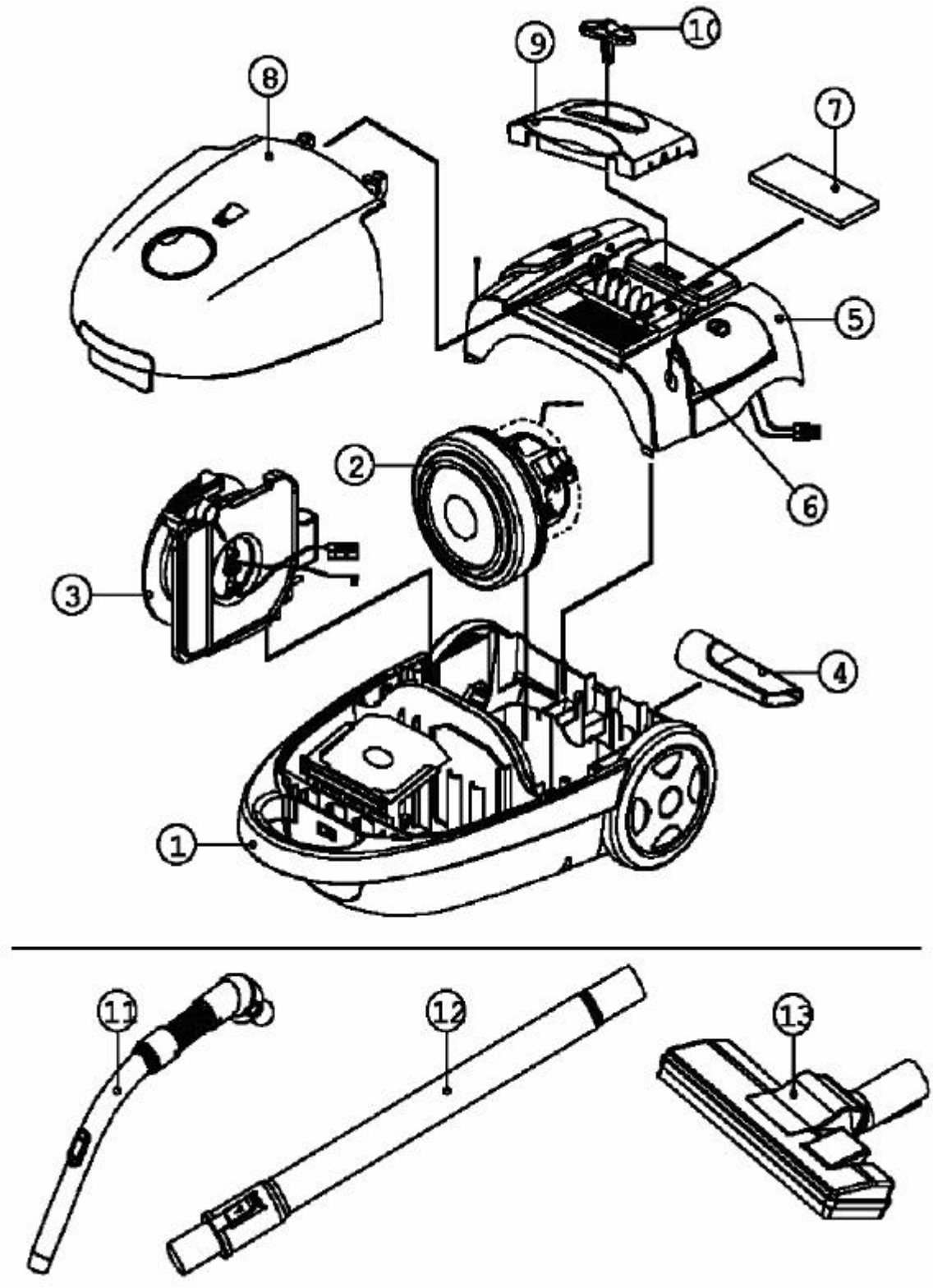
2) MODEL RC-320B (3620013000)



EXPLODED VIEW AND PARTS LIST

NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BODY AS	3620409000	ASSY	1
2	ASSY MOTOR	3620013300	ASSY(RC-320B)	1
3	CORD REEL AS	3629507100	ASSY	1
4	NOZZLE CREVICE	3628100600	PP	1
5	COVER BODY AS	3621426200	ASSY	1
6	SCREW TAPPTITE	7171402011	TT2 PAN 4X20 MFZN	2
7	FILTER EXHAUST	3621906900	POLYESTER	1
8	COVER DUST AS	362145900	ASSY	1
9	COVER TOP(V)	3621424700	PP	1
10	KNOB	3623401700	ABS	1
11	HOSE AS	3623206200	ASSY	1
12	PIPE STEEL	3624403510		2
13	BRUSH AS	3629304920	ASSY(CLEAN31)	1

3) MODEL RC-320S (3620013100)

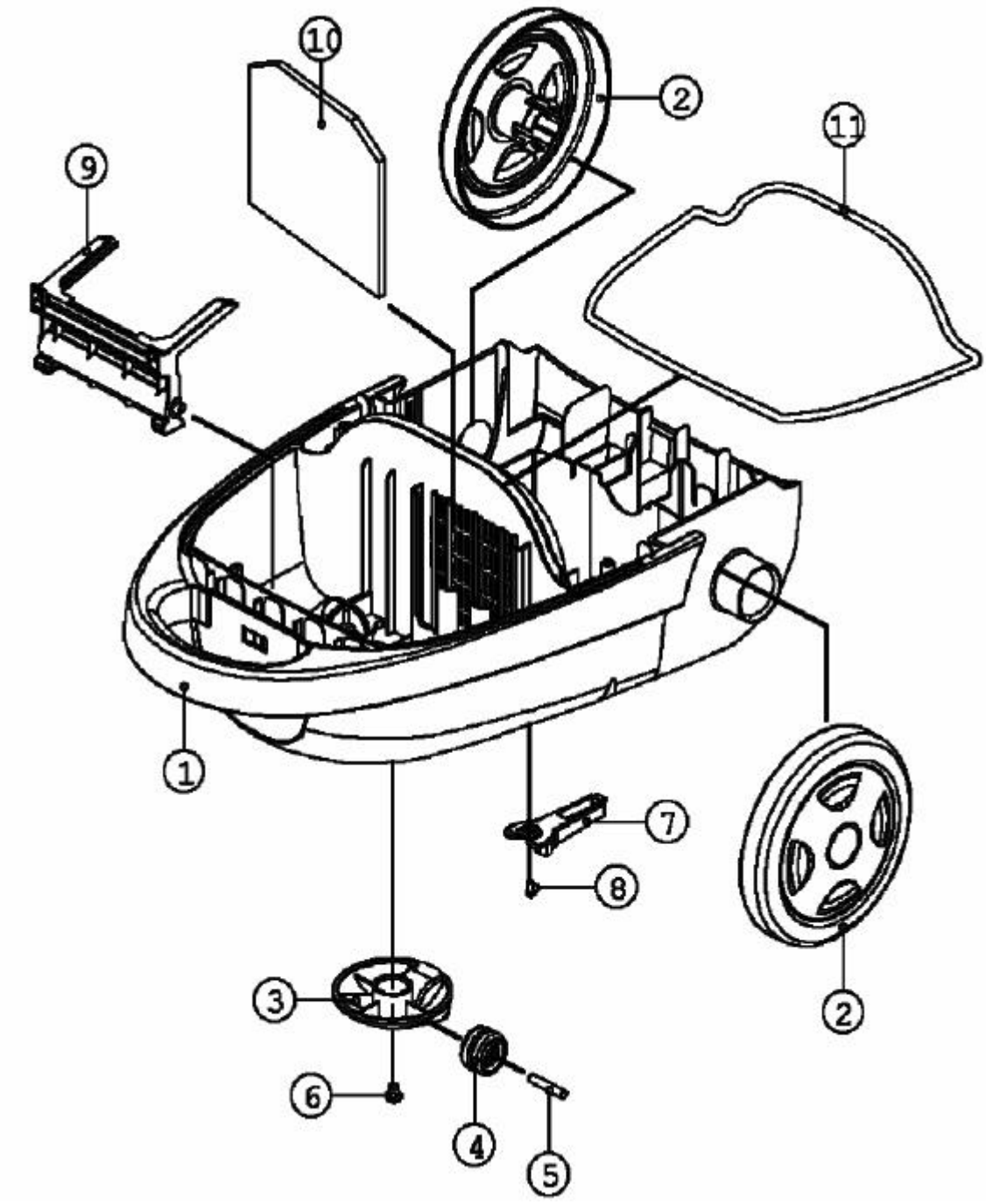


EXPLODED VIEW AND PARTS LIST

NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BODY AS	3620409000	ASSY	1
2	ASSY MOTOR	3620013400	ASSY(RC-320S)	1
3	CORD REEL AS	3629507100	ASSY	1
4	NOZZLE CREVICE	3628100600	PP	1
5	COVER BODY AS	3621426200	ASSY	1
6	SCREW TAPPTITE	7171402011	TT2 PAN 4X20 MFZN	2
7	FILTER EXHAUST	3621906900	POLYESTER	1
8	COVER DUST AS	362145900	ASSY	1
9	COVER TOP(V)	3621424700	PP	1
10	KNOB	3623401700	ABS	1
11	HOSE AS	3623206200	ASSY	1
12	PIPE TELESCOPIC AS	3624412300		1
13	BRUSH PEDAL AS	3629307400	ASSY	1

6-2. BODY ASSEMBLY

1) MODEL RC-320F, RC-320B, RC-320S (3620409000)

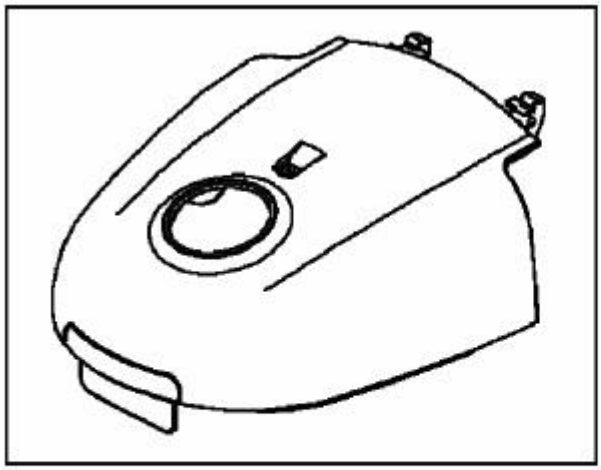


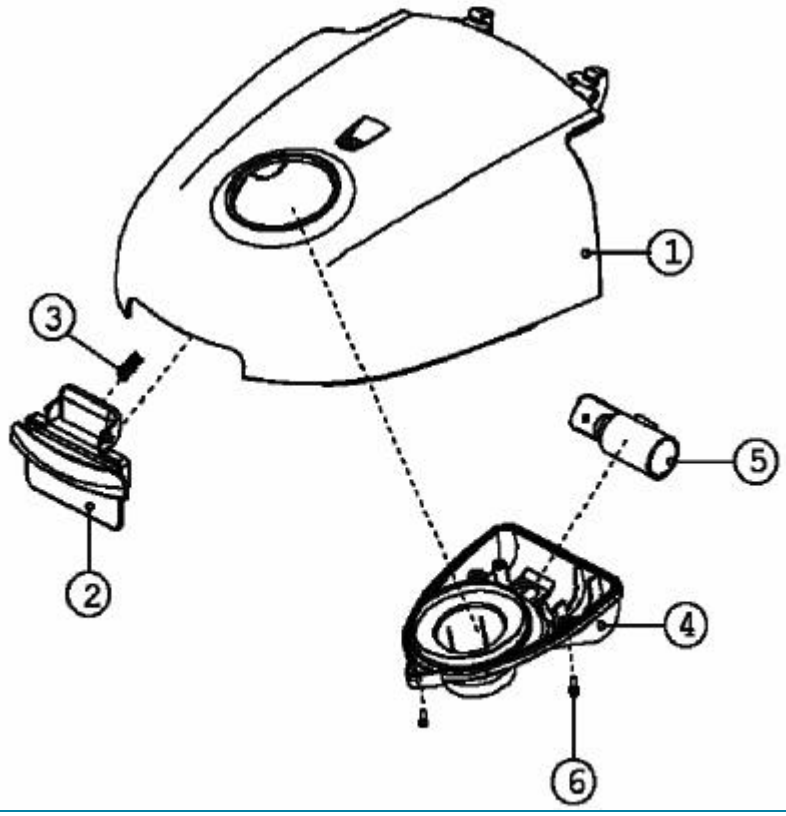
EXPLODED VIEW AND PARTS LIST

NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BODY	3620408800	PP	1
2	ROLLER BACK	3624704900	PP	2
3	BRACKET ROLLER	3620601500	PP	1
4	ROLLER FRONT	3624703600	PP	1
5	SHAFT ROLLER	3624901000	SWRM	1
6	SCREW TAPPING	7128401212	T2S WAS 4X12 MFZN BK	1
7	HOLDER BRUSH	3623005500	PP	1
8	SCREW TAPPING	7121401412	T2S PAN 4X14 MFZN BK	1
9	HOLDER FILTER	3623005600	PP	1
10	FILTER IN	3621904200	POLYESTER	1
11	GASKET	3622301100	EPDM FOAM(715mm)	1

6-3. COVER ASSEMBLY

1) COVER DUST ASSEMBLY (3621425900)

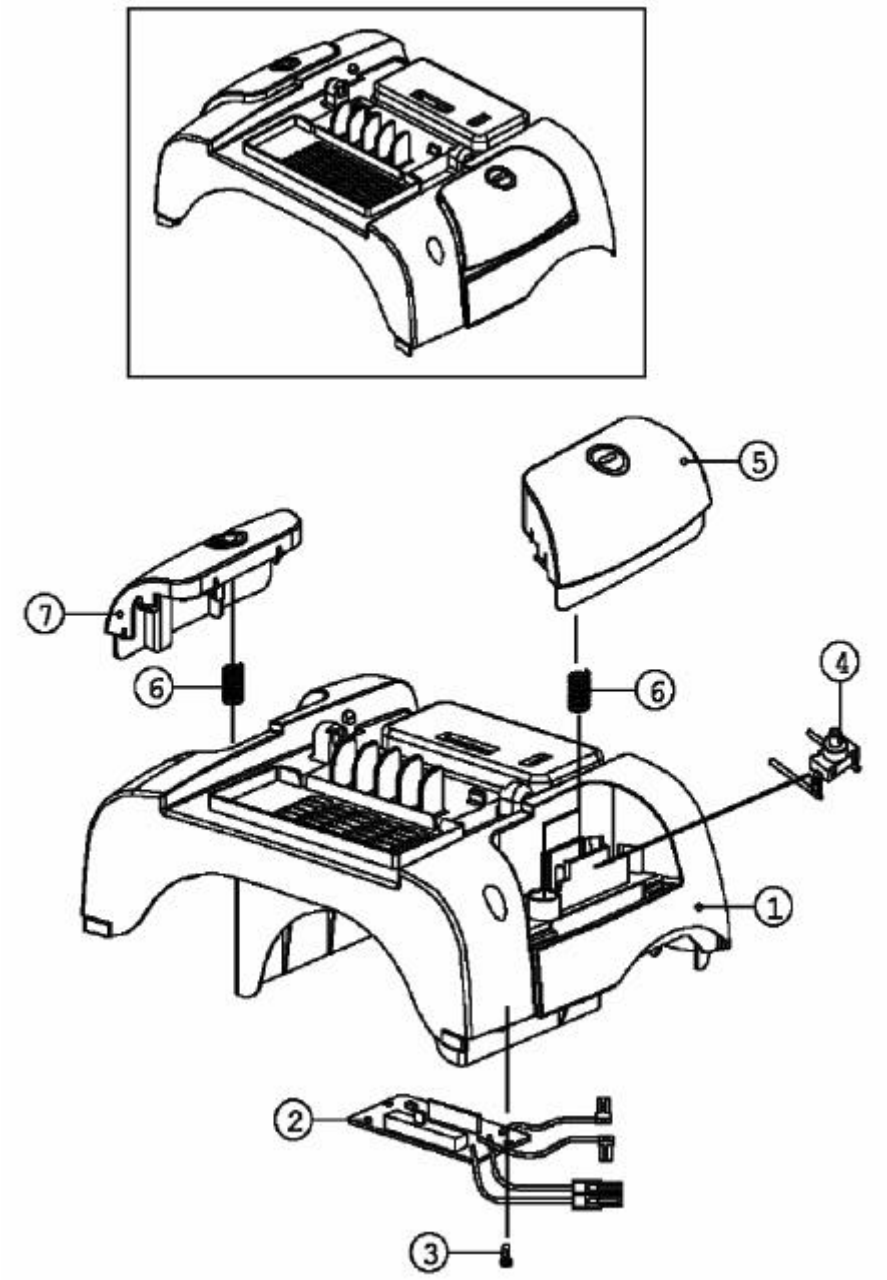




NO	PART NAME	PART CODE	SPECS.	Q'YT
1	COVER DUST	3621424500	ABS	1
2	CLAMP COVER	3621202600	ABS	1
3	SPRING CLAMP	3625106400	HSW3	1
4	SOCKET	3629801200	PP	1
5	DUST METER AS	3629702000	ASSY	1
6	SCREW TAPPING	7121401011	T2S PAN 4X10 MFZN	3

2) COVER BODY ASSEMBLY (3621426200)

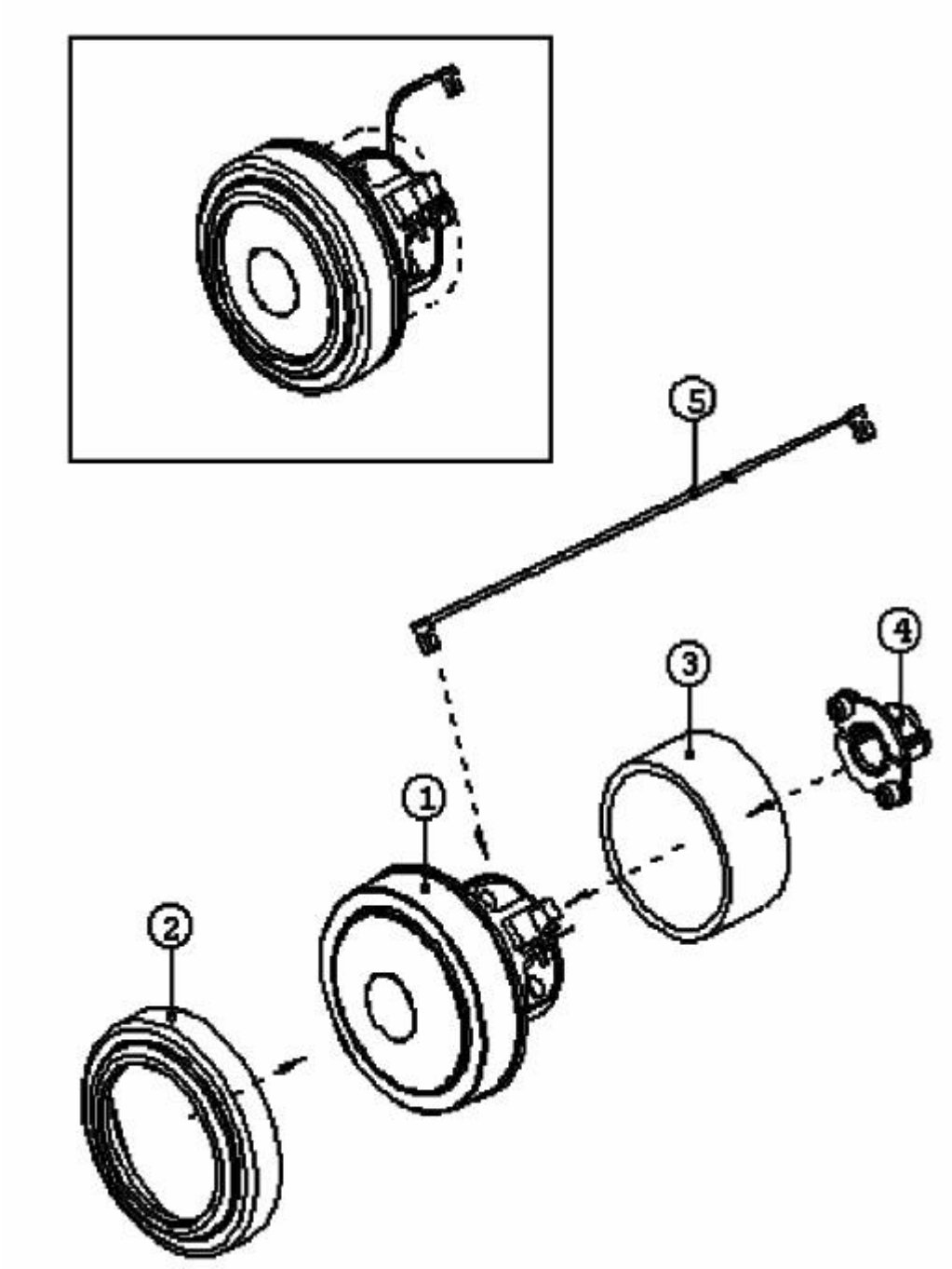
■MODEL : RC-320B, RC-320S



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	COVER BODY	3621424400	PP	1
2	PCB AS	3624311000	ASSY	1
3	SCREW TAPPING	7121401411	T2S PAN 4X14 MFZN	1
4	SWITCH PUSH	3629002000	7A/250V(SKT)	1
5	BUTTON SWITCH	3626605200	ABS	1
6	SPRING BUTTON	3625107400	HSW3	2
7	BUTTON CR	3626605300	ABS	1

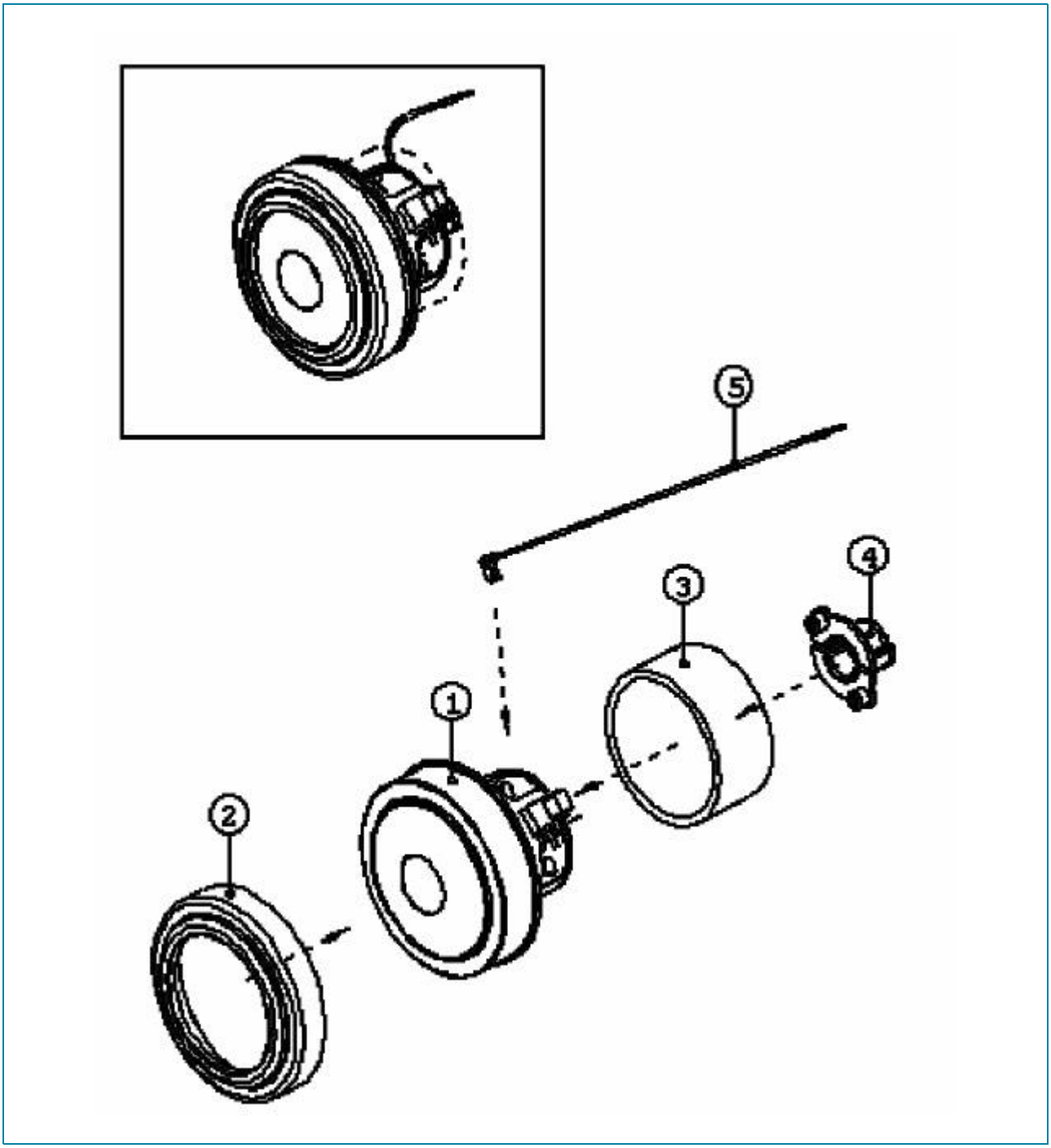
6-4. MOTOR ASSEMBLY

1) MODEL RC-320F (3620013200)



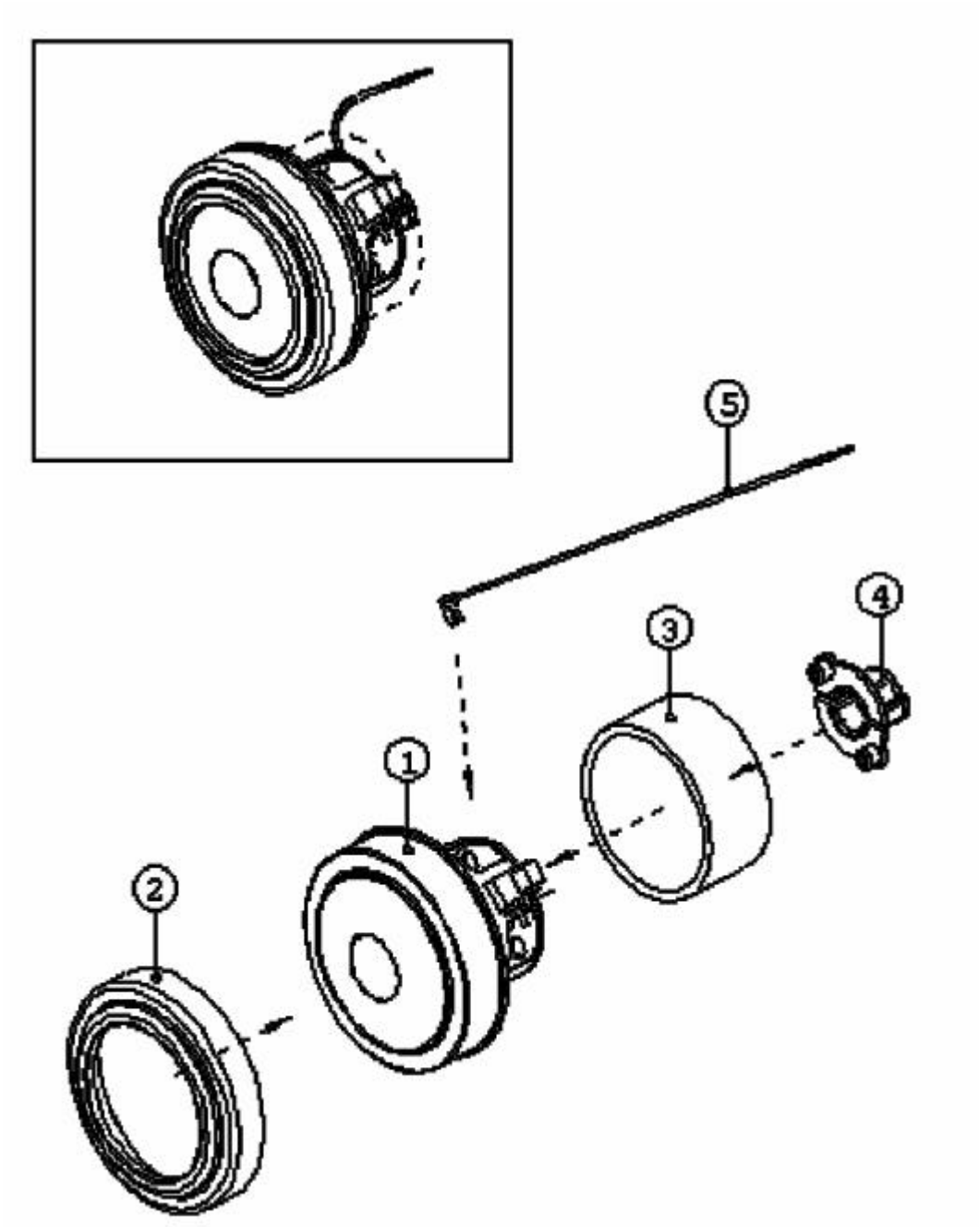
NO	PART NAME	PART CODE	SPECS.	Q'YT
1	MOTOR UNIVERSAL	3962511400	230V 1100W DMI(E)	1
2	PACKING MOTOR	3624006900	NR	1
3	ABSORBER SOUND	4569C10071	PU FOAM (T=10)	1
4	MOUNT MOTOR	3627900900	TPE	1
5	TERMINAL AS	3622711900	ASSY	1

2) MODEL RC-320B (3620013300)



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	MOTOR UNIVERSAL	3962511400	230V 1200W DMI(E)	1
2	PACKING MOTOR	3624006900	NR	1
3	ABSORBER SOUND	4569C10071	PU FOAM (T=10)	1
4	MOUNT MOTOR	3627900900	TPE	1
5	TERMINAL AS	3622712200	ASSY	1

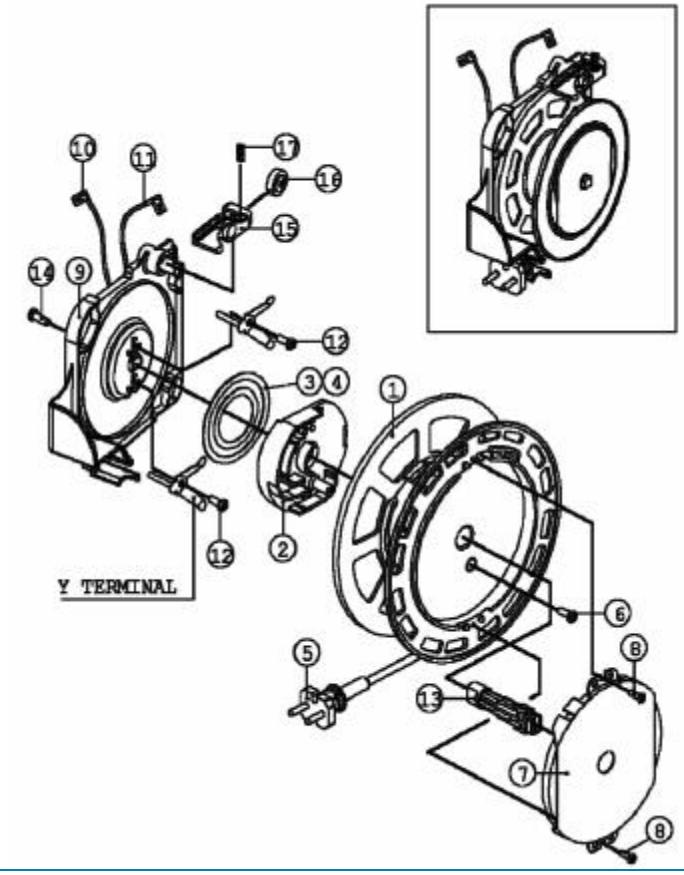
3) MODEL RC-320S (3620013400)



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	MOTOR UNIVERSAL	3962511400	230V 1300W DMI(E)	1
2	PACKING MOTOR	3624006900	NR	1
3	ABSORBER SOUND	4569C10071	PU FOAM (T=10)	1
4	MOUNT MOTOR	3627900900	TPE	1
5	TERMINAL AS	3622712200	ASSY	1

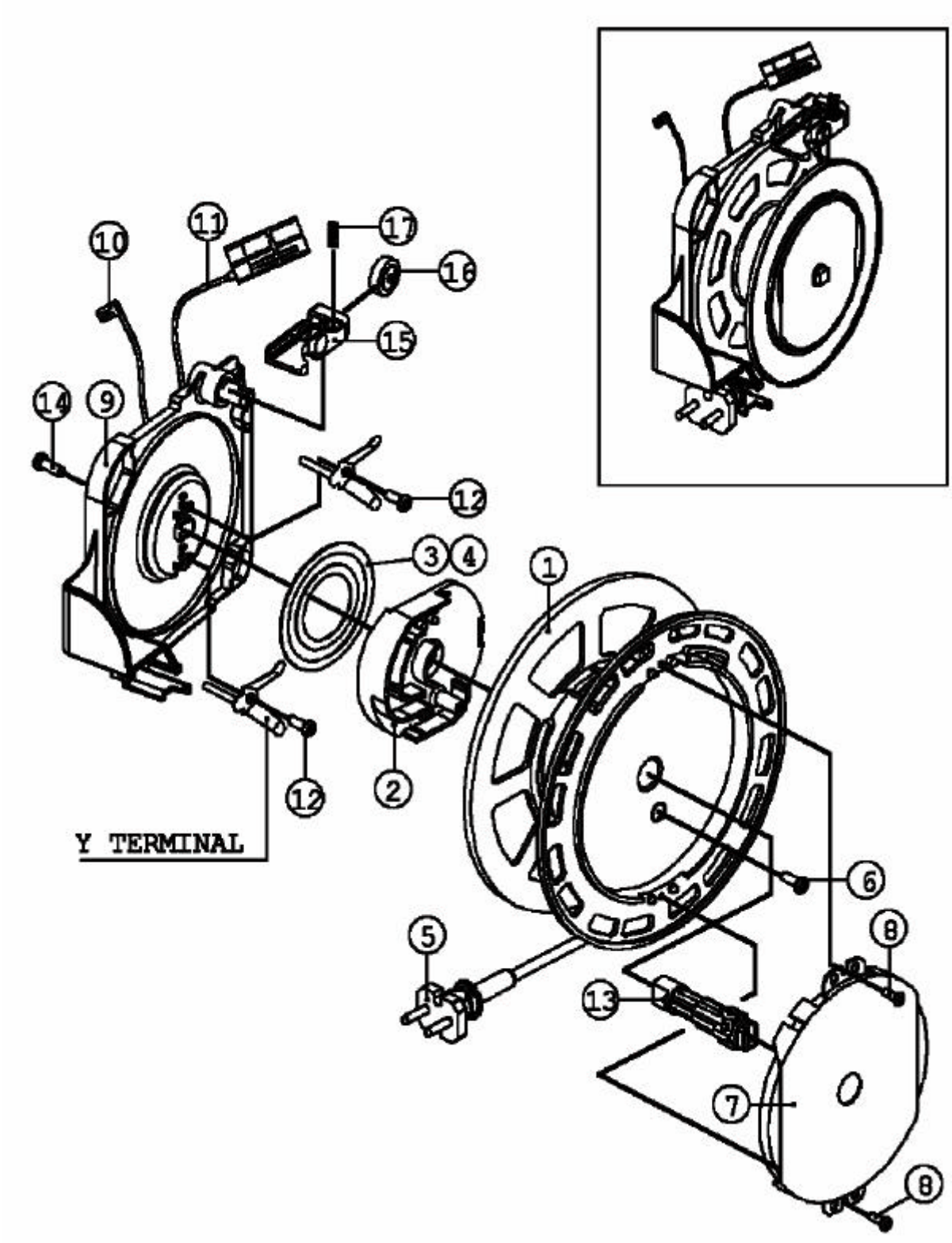
6-5. CORD REEL ASSEMBLY

1) MODEL RC-320F (3629507000)



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BOBBIN	3629200600	PP	1
2	HOLDER TERMINAL	4565A36020	PC (V-0)	1
3	TERMINAL	4565A36034	C2600P-1/2H T=0.3	1
4	TERMINAL	4565A36024	C2600P-1/2H T=0.3	1
5	CORD POWER	3621300700	250V16A, H05H2F,5m	1
6	SCREW TAPPING	7121301411	T2S PAN 3X14 MFZN	1
7	SPRING AS	3625102005	SUS30-EH+Cover,3800mm	1
8	SCREW TAPPING	7121300811	T2S PAN 3X8 MFZN	2
9	BRACKET CR	3620602300	PP	1
10	TERMINAL Y AS	3628712000	ASSY	2
11	TERMINAL Y AS	3628712100	ASSY	2
12	SCREW TAPPING	7121400811	T2S PAN 4X8 MFZN	2
13	SHAFT CR	3624900510	PC LEXAN 500	1
14	SCREW TAPPING	7121401211	T2S PAN 4X12 MFZN	1
15	LEVER CR	3623702500	ABS	1
16	STOPPER ASSY	3625200200	ASSY	1
17	SPRING	3625107400	HSW3	1

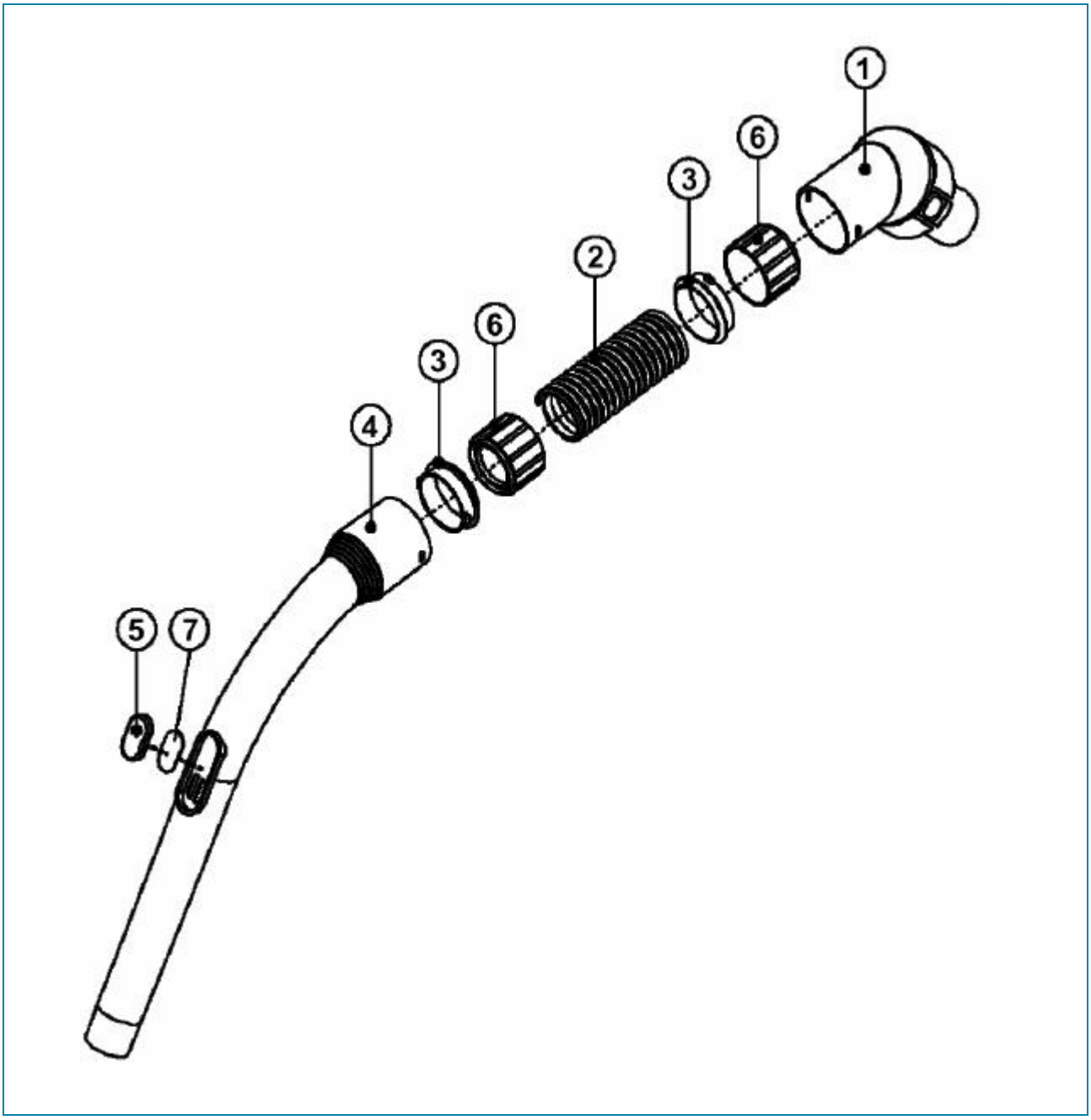
2) MODEL RC-320B, RC-320S(3629507100)



EXPLODED VIEW AND PARTS LIST

NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BOBBIN	3629200600	PP	1
2	HOLDER TERMINAL	4565A36020	PC (V-0)	1
3	TERMINAL	4565A36034	C2600P-1/2H T=0.3	1
4	TERMINAL	4565A36024	C2600P-1/2H T=0.3	1
5	CORD POWER	3621300700	250V16A, H05H2F, 5m	1
6	SCREW TAPPING	7121301411	T2S PAN 3X14 MFZN	1
7	SPRING AS	3625102005	SUS30-EH+Cover,3800mm	1
8	SCREW TAPPING	7121300811	T2S PAN 3X8 MFZN	2
9	BRACKET CR	3620602300	PP	1
10	TERMINAL Y AS	3628712000	ASSY	2
11	TERMINAL Y AS	3628712300	ASSY	2
12	SCREW TAPPING	7121400811	T2S PAN 4X8 MFZN	2
13	SHAFT CR	3624900510	PC LEXAN 500	1
14	SCREW TAPPING	7121401211	T2S PAN 4X12 MFZN	1
15	LEVER CR	3623702500	ABS	1
16	STOPPER ASSY	3625200200	ASSY	1
17	SPRING	3625107400	HSW3	1

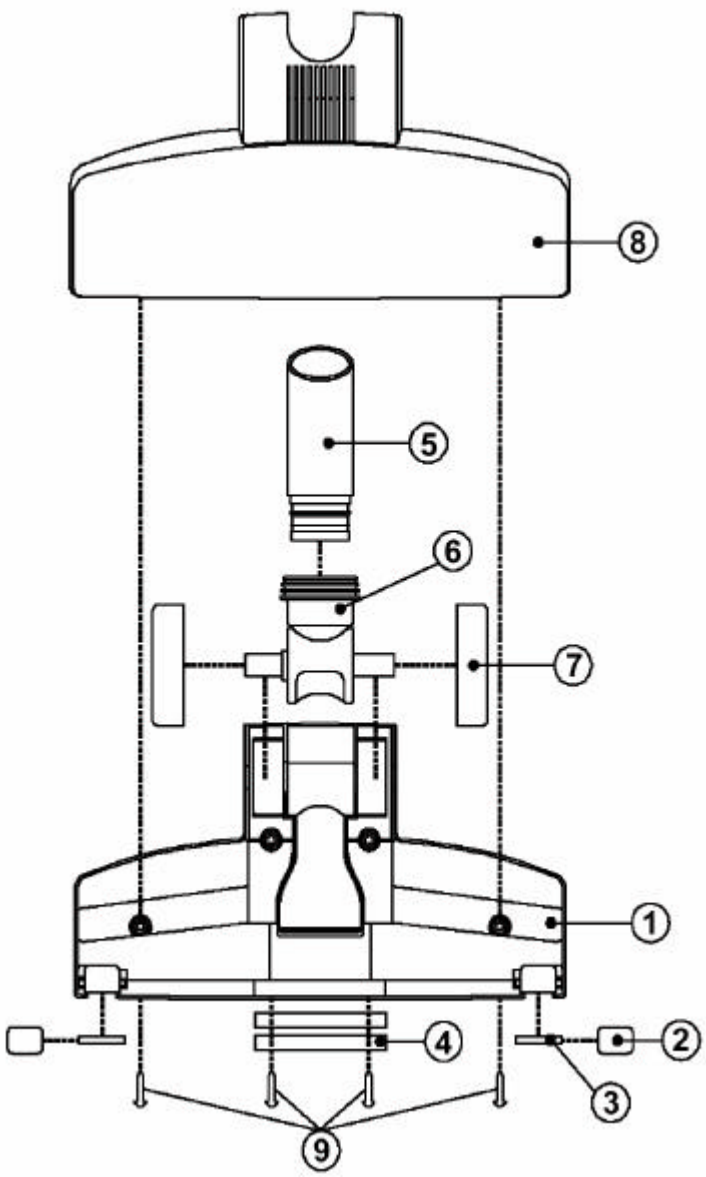
6-6. HOSE ASSEMBLY(3623206200)



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	PIPE ADAPTER	3629101700	PP	1
2	HOSE	3623206300	EVA 1.6m (Non-Current)	1
3	HOLDER HOSE	4569A71021	PP	2
4	PIPE HOSE	3624408200	PP	1
5	VALVE AIR	3625400400	PP	1
6	CUFF HOSE	3626800200	LDPE	2
7	PACKING HOSE	3624005900	SPONGE	1

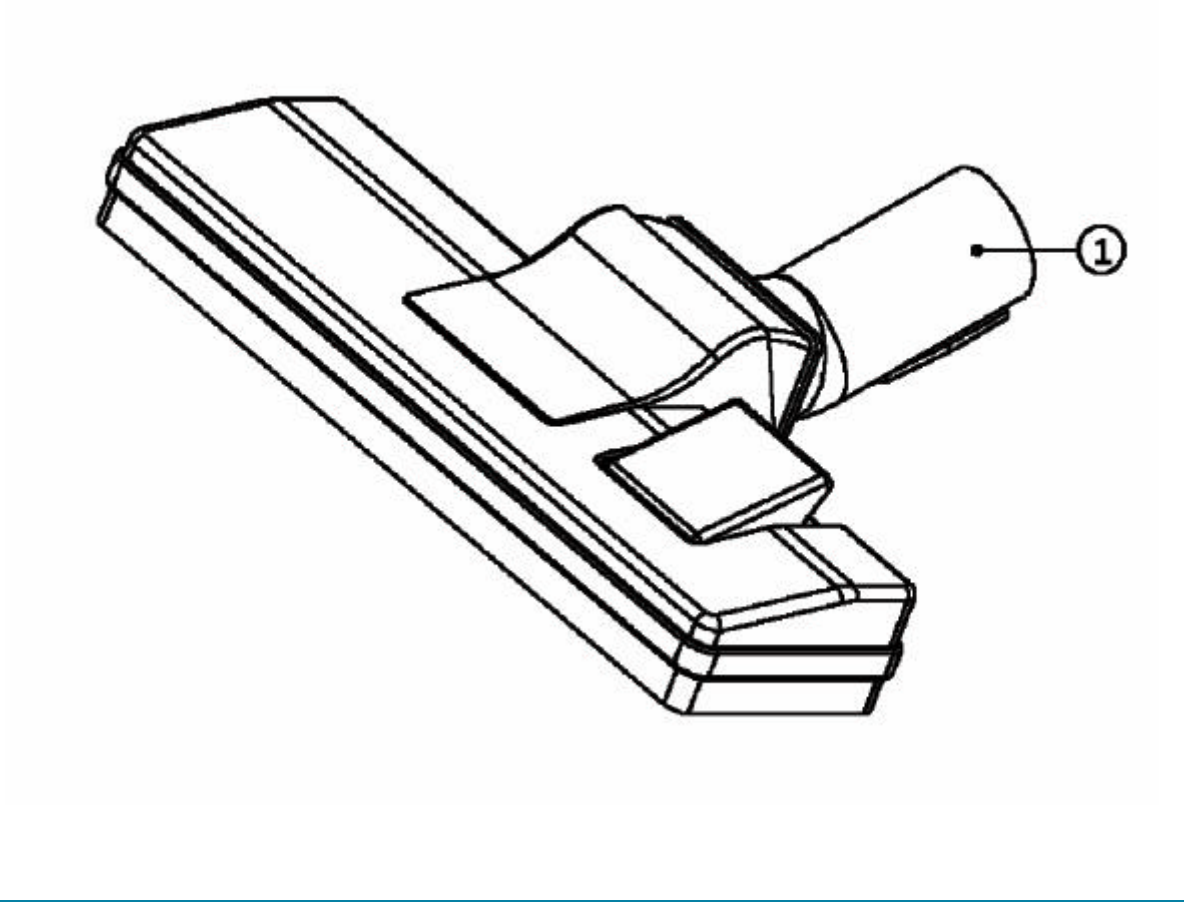
6-7. BRUSH ASSEMBLY

1) MODEL RC-320F, RC-320S(3629304900)



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BODY BRUSH	3620406400	PP	1
2	ROLLER-F BRUSH	3624703100	PP	2
3	SHAFT ROLLER	3624900900	PA	2
4	PICKER LITTER	3622700700	PA	2
5	PIPE BRUSH	3624408300	PP	1
6	NECK BRUSH	3628001600	PP	1
7	ROLLER-B BRUSH	3624703000	PP	2
8	COVER BRUSH	3621417200	PP	1
9	SCREW TAPPTITE	7171401411	TT2 PAN 4X14 MFZN	4

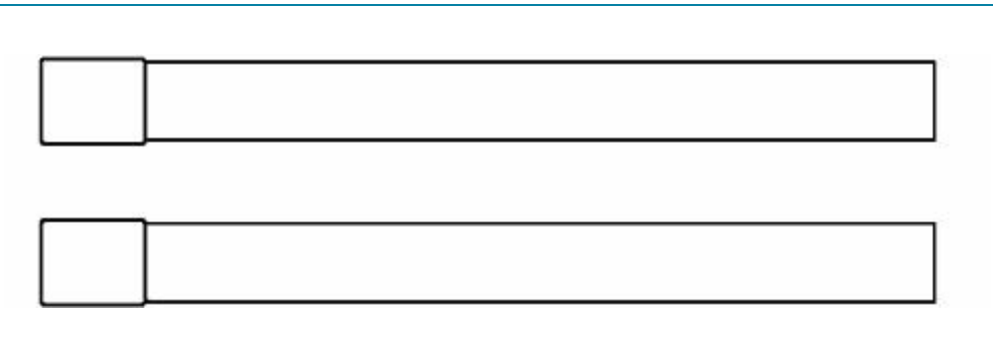
2) RC-320S (3629307400)



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	PIPE BRUSH	3624412400	PP	1

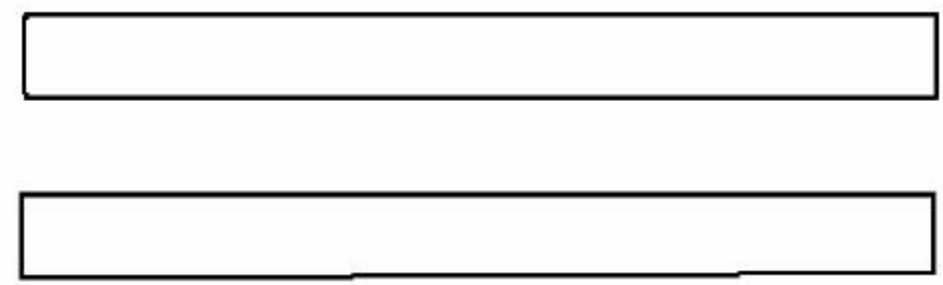
6-8. PIPE ASSEMBLY

1) MODEL RC-320F (3624408500)



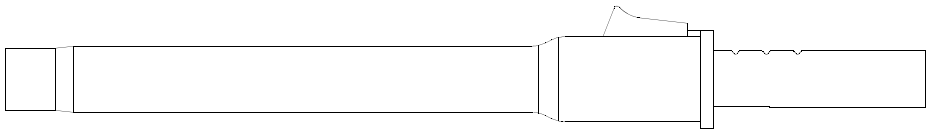
NO	PART NAME	PART CODE	SPECS.	Q'YT
1	PIPE EXTENSION	3624408500	PP	2

2) MODEL RC-320B (3624403510)



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	PIPE STEEL	3624403510	SPC T=0.7(LD=32.6)	2

3) MODEL RC-320S (3624412300)



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	PIPE STEEL AS	3624412300	SPC	1

DAEWOO ELECTRONICS CO., LTD

686, AHYEON-DONG MAPO-GU
SEOUL, KOREA
C.P.O. BOX 8003 SEOUL, KOREA
TELEX : DWELEC K28177-8
CABLE : “DAEWOOELEC”
FAX : 02)360-7877
TEL : 02)360-7803
E-mail : G7F00E@web.dwe.co.kr

PRINTED DATE : MAY. 2000